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INDEXED.

# 1920 SPRING CATALOG 1920



**GOLDEN GLOW**—IN A HELENA GARDEN  
— The OFFICIAL FLOWER OF HELENA —

**STATE NURSERY**  
**and SEED COMPANY**

**HELENA,**

**MONTANA**

**ESTAB. 1890**

# State Nursery and Seed Co.

## Annual Catalog 30th Year

### FOREWORD

Helena, Montana, January, 1920.

To Our Friends and Customers:—

We have compiled our 1920 spring catalog with great care, and every effort has been made to list and describe the best obtainable in all departments.

The heavy snowfall that we have had insures us of sufficient moisture for our crops during the coming year. Our information department is at your command to assist you with the experience gained during thirty years in this business in Montana. This is aided by an able corps of expert assistants in the various departments, supplemented by the experience of literally thousands of friends who so freely send the results obtained under varying altitudes and conditions, and to whom we extend our hearty thanks for this information.

When you visit Helena during the coming year, remember that we are always glad to see you at the retail store on Fuller Ave., at the warehouse near the Great Northern Depot, or at the Greenhouses and Nurseries at the end of the Broadwater Car Line, and it will give us great pleasure to show you the workings and facilities of the largest and most complete establishment of its character in the Northwest.

Thanking you for your part in the patronage extended to us in the past thirty years, and trusting that we may receive a continuance of the same,

Yours very truly,

STATE NURSERY & SEED CO.

#### DIRECTORS

CONRAD KOHRS  
T. E. MILLS  
W. E. MILLS

#### OFFICERS

T. E. MILLS, Pres. and Gen'l Mgr.  
WALTER CARD, Sec'y & Treas. and  
Manager Seed Dept.  
JOSIAH BOWDEN, JR., Cashier.

THIS ISSUE CANCELS ALL PREVIOUS ISSUES

# PLANT DEPARTMENT

## IMPORTANT—READ CAREFULLY

### PLANTS BY EXPRESS

We always advise express for plants because we can send larger plants this way than by mail. Unless instructed to the contrary, we send pot grown plants in their pots, but it saves expressage to ship without pots, not merely because of the lessened weight, but by reason of the special discount allowed by the express companies on plants out of pots; so if you want plants without pots, please say so, and when received, customers should see that they get the special discount of 20 per cent from the ordinary express rate. We always enclose extra plants of our own selection only, to aid in defraying express charges on orders not sent postpaid.

### IMPORTANT

PLEASE REMEMBER THAT THE CUSTOMER PAYS THE EXPRESS, FREIGHT OR POSTAGE ON EVERYTHING IN THIS CATALOGUE UNLESS OTHERWISE STATED. NOTE—POSTPAID PRICES—WHERE QUOTED—COVER NOT ONLY ACTUAL POSTAGE, BUT THE COST OF PACKING, ETC.—READY FOR SHIPMENT. THESE PRICES CANNOT BE DEVIATED FROM ON MAIL (PARCEL POST) SHIPMENTS. PLANTS BY PARCEL POST ARE SENT WITHOUT POTS.

### PARCELS POST

Most plants can be sent by parcels post, and the smaller trees and shrubs also. Wherever possible we have given postpaid prices. We cannot, however, be held responsible after delivery to the postoffice, and we must in all cases be the judge of the best method of shipment.

### *All Orders are Acknowledged the day they are received by us.*

If you do not receive your order as quickly as you feel that it should arrive, please to remember—that all orders are filled in rotation—that possibly your order is a little early and some part of it is not quite ready to ship, or the weather may be too cold to ship with safety, etc., etc.

IN WRITING WITH REFERENCE TO AN ORDER, ALWAYS REFER TO THE NUMBER FURNISHED YOU ON CARD ACKNOWLEDGING THE ORDER.

### CATALOGUES ISSUED

**JANUARY**—Our complete general catalogue, covering everything for the Farm and Garden—profusely illustrated. (This one.)

**EASTER**—A special Flower and Plant List, of Plants and Cut Flowers for Easter decorations and remembrances to friends.

**MOTHER'S DAY**—The second Sunday in May. A special list of Cut Flowers—issued about May 1st.

**DECORATION DAY**—A special list of Cut Flowers—Wreaths—Plants, etc., for this National Memorial Day.

**FALL—SEPTEMBER**—A catalogue of Dutch, French and other bulbs, for fall planting and winter plants for the house.

**THANKSGIVING DAY**—A special list of Cut Flowers, Plants, etc., for the festive season.

**CHRISTMAS**—A special list of Plants, Cut Flowers, Evergreens, suitable for Xmas decorations, and remembrances of the joyful occasion to your friends.

A postcard will bring you any of these in its season.

**ABUTILON (Flowering Maple.)**

A very desirable free-flowering plant for house culture. Succeeds under usual care and always presents a fresh appearance.



Abutilon.

**Snowdrift** — The best white.

**Arthur Belsham** — Orange Red.

**Pink Beauty** — Pale pink.

**Savitz** — A variegated foliage Abutilon.

**Golden Fleece** — Pure yellow.

**Mrs. Laing** — Soft Pink.

**Crusader** — A brilliant Red.

**Each**,  
3-inch, 20c; 4-inch, 25c;  
5-inch, 35c.

**Each (Postpaid)**,  
3-inch, 25c; 4-inch, 35c;  
5-inch, 45c.

**AGERATUM (Mauve Beauty.)****AGERATUM.**

**Mauve Beauty** — A most desirable dwarf border bedding plant. Each, 15c; doz., \$1.50; postpaid, each 20c; doz., \$1.75.

**ALOYSIA CITRIODORA.**

**Lemon Verbena** — An old favorite and should be in every garden. Lemon scented foliage. Each 20c and 30c; postpaid, 30c and 35c.

**ALYSSUM.**

**Little Dorrit** — A single Sweet Alyssum, of great value for borders and small beds.

Each ..... 10c; doz., \$1.00  
Each (Postpaid) ..... 15c; doz., \$1.15



Sweet Alyssum.

**ALYSSUM.**

**Double** — An excellent variety for borders, window boxes, and urns.

Each ..... 10c; doz., \$1.00  
Each (Postpaid) ..... 15c; doz., \$1.15

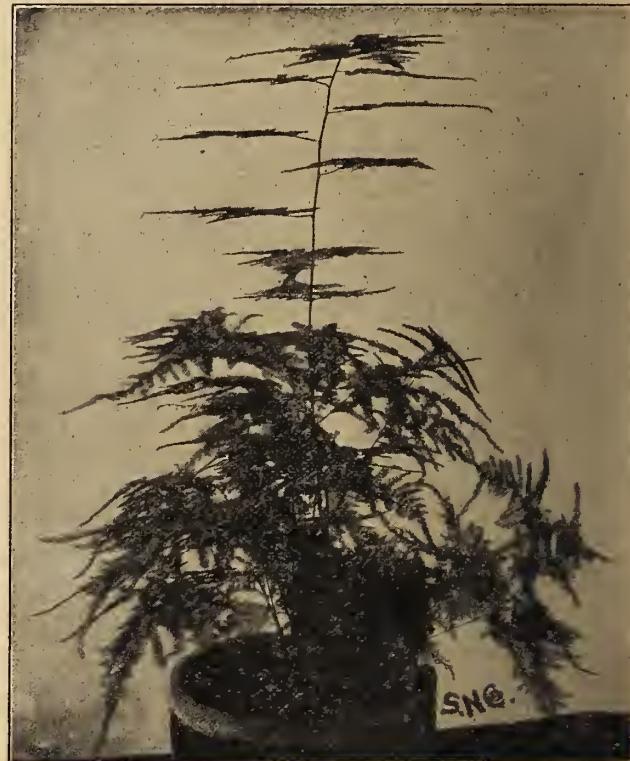


Antirrhinum.

**ANTIRRHINUM (Snapdragon.)**

A very desirable and satisfactory plant for the garden, a very free bloomer and excellent for cutting. Colors white, pink, yellow and red.

Pot Plants, each.....	15c; doz., \$1.50
Pot Plants (Postpaid) each.....	20c; doz., \$1.75
Seedlings, transplanted from boxes (mixed) dozen.....	50c
Seedlings, transplanted from boxes, (mixed, postpaid) dozen.....	60c

**ASPARAGUS PLUMOSUS.**

**Asparagus Plumosus (Asparagus Fern)** — Owing to its graceful foliage and ease of culture, this is perhaps more in demand than any other house plant. We grow these in thousands. The smaller plants listed are the right size for Table Dishes, while the larger are suitable for Jardinieres, etc.

Each .....	25c, 35c and 50c
Each (Postpaid) .....	30c, 40c and 60c

**ASPARAGUS SPRENGERI.**

Of great value for hanging baskets and for cutting. Of very easy culture requiring good soil and free watering.

Each .....	25c, 35c, 50c
Each (Postpaid) .....	30c, 40c, 60c



Asparagus Sprengeri



Late Branching Aster.

## ASTERS.

Our strains of Asters are unsurpassed by any, and are prize-winners whenever exhibited. Sturdy plants of the early mid-season and late branching varieties. Colors: Pink, Shell-pink, Red, White, Lavender and Purple. Ready May 10. Doz., 50c; (Postpaid) ..... 60c

## BEGONIAS

Begonias are one of the best known and most popular house plants today. With their magnificent range of colors both in bloom and foliage and many of them of the most floriferous nature even under adverse conditions, it is little wonder that they are in such great demand. Our collection embraces the best varieties known to the trade.

**Alba picta Rosea**—Dark green foliage spotted with silver, flowers pink.

**Argentea Guttata**—Brilliant bronze green foliage spotted with white and white flowers.

**Bertha de C. Rocher**—A handsome sort, with bright deep pink bloom.

**Festivus**—(Beefsteak Begonia)—An old favorite, with large fleshy round foliage, deep almost bronze green, of a reddish color on the underside, bearing large spikes of rosy pink blooms late in winter or early spring.

**Sandersonii**—Scarlet, a winter bloomer.

**Luminosa**—Brilliant dark scarlet, a constant flowering variety.

**Metallica**—Velvety foliage, rosy white bloom.

**Eubra**—Deep coral pink flowers, foliage a bronze and green.

Any of the above varieties, each 20c, 30c and 50c. Postpaid 25c, 40c and 60c.

**Glorie de Chatelaine**—A recent acquisition of great merit, with rosy pink flowers, produced in great profusion. A wonderful Xmas Begonia.

Price ..... each 25c and 50c

Postpaid ..... 35c and 60c



S.N.Co.

## BEGONIA REX.

## Rex or Painted Leaf Begonias.

The REX or Painted Leaf Begonias, as they are known, are one of the handsomest and showy house plants that can be grown. Their wonderfully colored foliage never fails to awaken admiration, and they are of easy house culture. The varieties listed below are selected from the finest sorts known to the trade.

**Kaiser Wilhelm**—Deep velvety green leaf with darker edge.

**Mrs. A. G. Shephard**—Silver leaves marked with other pretty shades.

**Walter Lamb**—Rich green and silvery white.

**Louis Closson**—A beautiful bronze.  
Each 25c, 35c; postpaid ..... 35c; 45c

Whitefish, Mont., May 18, 1919.

State Nursery & Seed Co.,

Helena, Mont.

Gentlemen:—I received the box of plants yesterday in fine condition. I am more than pleased with them. You may expect an order for bulbs this fall.

Respectfully,  
Mrs. Harriet Shoaf.

NOTE—Postpaid prices—where quoted—cover not only actual postage, but the cost of packing, etc., ready for shipment. These prices cannot be deviated from on mail (Parcel Post) shipments.

## CHRYSANTHEMUMS



Type of Large Flowering Varieties.

## CHRYSANTHEMUMS.

Owing to the early frosts of this section, it is impractical to grow these most beautiful of all fall plants to maturity. But they can be successfully grown in the garden until September, when they should be lifted and potted. Then in the house, they will give a wealth of bloom and beauty that will more than repay for the slight trouble entailed.

## LARGE FLOWERING VARIETIES.

**Richmond**—Bright golden yellow.

**Tiger**—A fine yellow of unusually fine color. This variety was named by President Wilson.

**Woodside**—An enormous yellow.

**Wm. Turner**—Snow white, of enormous size. One of the largest whites known.

**Yellow Wm. Turner**—Identical in form and size with White Turner, except in color, which is a bright yellow.

**Coonto**—A beautiful white.

**Chieftan**—A large incurved pink. A handsome flower.

**Golden Glow**—A pretty golden shade, flowers from six to eight inches across. October.

**A. J. Balfour**—Dwarf deep pink. November.

**Chadwick**—Christmas flowering; white tinged with pink.

**Golden Chadwick**—Lovely Golden yellow; Christmas flowering.

**October Sunshine**—Yellow.

**Maj. Bonnaffon**—A beautiful incurved glossy yellow. One of the best.

**August Dasse**—Golden yellow, strong stems.

**White Chieftain**—Large incurved white. November.

**Chrysalora**—A large incurved, yellow; strong and robust.

**Chas. Razaz**—A fine large white, splendid stem and foliage.

**Pattie**—A very delicate pleasing shade of pink.

**Wells Late Pink**—Light pink. One of the finest.

**W. H. Lincoln**—A clear yellow; strong, stiff stems.

## FANCY SINGLE VARIETIES.

These fill a unique position in that they come between the larger standard varieties and the pompons.

**Emilie**—A soft rose pink and lasts well.

**Sylvia Slade**—Rosy garnet, with broad white ring around the disc.

**Mary Richardson**—Has color like sunshine on old gold, with a salmon bronzy tinge.

## CHRYSANTHEMUMS—Continued.



Single Chrysanthemums.

**Ena Reimers**—Beautiful terra cotta shade, good stiff stems.

**Alexander Rowbottom**—Deep bright crimson.

**Mensa**—Purest white; a splendid variety.

**W. Buckingham**—A grand vigorous pink.

**Golden Mensa**—Quite new and proving popular.

**Garza**—White, Anemone flowered. Very handsome.

## POM-PON CHRYSANTHEMUMS.

Small flowering and valuable for cutting. Make dainty and picturesque house plants, the masses of blooms being pink, white, yellow and bronze.

**Baby**—Miniature yellow; flowers half inch in diameter.

**Elva**—Choleest white pom-pom.

**Acto**—Bright red.

**Julia**—Rich red.

**Klondike**—A favorite yellow.

**Helena Newberry**—White.

**Mrs. Frank Beau**—The favorite of all the Pom-poms. Color a reddish yellow.

**Diana**—Pure white, very fine.

**Lillian Doty**—Large pink, a splendid sort.

## EARLY FLOWERING VARIETIES.

(Especially Adapted for Pot Plants.)

**Kathleen Thompson**—Crimson.

**Source d'Or**—Orange, shaded gold.

**Butlers Caprice**—Rosy pink.

**White Cap**—Pure white.

**Yellow Cap**—Pure Yellow.

**Lizzie Adecock**—Deep Yellow.

Prices for all Chrysanthemums—Plants ready March to July:

Each ..... 15c; doz., \$1.50

Each (Postpaid) ..... 20c; doz., \$1.65

## CANARYBIRD VINE

The demand for this lovely climber is always a large one owing to its great suitability for porches and trellises. Most persons prefer plants well started to the uncertainty of seeds planted out of doors.

Each ..... 10c; doz., \$1.00

Each (Postpaid) ..... 15c; doz., \$1.15

Simcoe, N. Dak., April 6, 1919.

State Nursery & Seed Co.,

Helena, Mont.

Gentlemen:—Have received the plants sent for, and I am so well pleased with them.

Mrs. J. V. Hage.

Hingham, Mont., May 5, 1919.

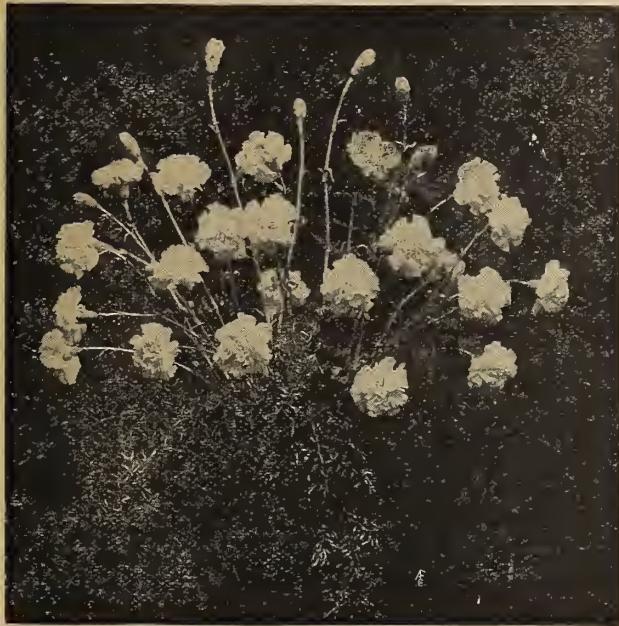
State Nursery & Seed Co.,

Helena, Mont.

Gentlemen:—I received my plants in splendid shape and am sure delighted with them. Enclosed find order for more and also for a friend.

Mrs. Ora Ludwig.

# CARNATIONS



Carnations.

Carnations are today the most popular flower grown in this country and are more in demand for cut flowers than any other. Something of the enormous demand for these flowers may be gathered by our readers when it is realized that we devote one entire range of glass—requiring about 50,000 plants to fill the beds, to the production of this flower alone, to supply the wants of our customers. The following list comprises the cream of these fragrant flowers. The young plants can only be supplied from May 15th to July 15th.

#### NEW CARNATIONS.

**Laddie**—This is a wonderful new variety, of a beautiful shade of pink, and has taken all who have been privileged to see it, by storm. The flowers are unusually large, and borne on long, strong stems. Young plants, each, 35c, postpaid.

**Ruth Bauer**—This is another new pink variety that florists who have secured it for commercial purposes have declared to be a wonderful flower and one of the finest ever introduced. Its flowers are large and borne on long stiff stems, and are excellent for cutting. Young plants, each, 35c, postpaid.

#### YELLOW.

**Yellow Prince**—A distinct novelty in carnations, with deep lemon yellow flowers. Every grower and lover of carnations will want this variety.

#### CARNATIONS—White.

**Matchless**—Well named The Matchless White. Flowers extra large and wonderfully fragrant.

**White Wonder**—“The largest and most productive white,” and very popular.

#### CARNATIONS—Scarlet.

**Pocohontas**—Large blooms, of deep rich maroon red. One of the finest deep red Carnations yet introduced.

**Beacon**—One of the best scarlet Carnations we know of.

**Belle Washburn**—A beautiful brilliant red.

**Nebraska**—A wonderful scarlet carnation.

#### CARNATIONS—Pink.

**Alice**—A beautiful shade of clear blush pink; flowers when fully developed 3 to 3½ inches.

**Mrs. C. W. Ward**—Deep pink.

**Enchantress Supreme**—Salmon pink.

**Philadelphia**—The ideal rose pink Carnation. Ideal in color, productiveness and size of bloom.

**Rosette**—A fine free blooming deep rose pink, fine for both pot and bench growing.

**Superb**—A handsome salmon pink. Very large and free flowering.

**Benora**—Variegated variety, white, marked with red, long, stiff, erect stems, with large blossoms.

Each, 20c; postpaid.....25c

Doz., \$2.00; postpaid.....\$2.25



Cineraria.

We can supply magnificent specimens of this elegant house plant in bloom from December to April. A most beautiful gift plant in a rich variety of color.

Each .....50c and 75c  
These can only be sent by express.

#### COBEA SCANDENS.

The Cobea vine is one of the best of our climbers, growing to a height of 8 to 10 feet. Purple seems to be more in demand, but where planted in large numbers we suggest an intermingling of the white variety.

Each .....10c; doz., \$1.00  
Each, from 3-inch pots (postpaid).....15c; doz., \$1.25

#### CREEPING CHARLIE.

(*Linaria, Kenilowrth Ivy.*)

A beautiful creeper suitable for baskets, vases, trailing around the window or rock work.

Each .....10c; postpaid, 15c

#### CUPHEA,

(*Platycentra (Cigar Plant.)*)

Plant is covered with bright scarlet flowers and makes a very attractive house plant. The plants are useful for vases or basket decorations.

Each .....20c; doz., \$2.00  
Each (Postpaid) .....25c; doz., \$2.25

#### COLEUS.

This well known foliage plant is adapted for both bedding and window purposes.

**Fancy Varieties**  
— Collection of 6 varieties in beautiful shades of crimson, velvety maroon and yellow.

Each .....15c  
Postpaid .....20c  
Collection of 6 .....75c  
Postpaid .....90c  
Larger plants each .....25c  
Postpaid .....50c



Coleus.



CYCLAMEN.

Cyclamen are perhaps the finest and most satisfactory winter blooming plants grown. They possess great beauty of both foliage and flower, and are of the most easy culture. They are in bloom from early fall until early spring, and for winter gifts are unequalled. We can supply plants in bloom from November to March 1st. Colors—Red, Pink, Salmon Pink, and White. Each—\$1.00; \$1.50; \$2.00. Dormant or semi-dormant bulbs can be supplied from March 1st to June 1st only, at 25c and 50c each.

**CYPERUS ALTERNIFOLIUS—(Umbrella Plant.)**

An unusually fine plant for decorative purposes of extremely easy culture. Requires plenty of water and may be grown as a semi-aquatic.

Each ..... 25c to 50c  
Postpaid ..... 30c to 60c



Cyperus Alternifolius.

**DAHLIAS**

The list of these exquisite and free flowering plants which we offer, is composed of the sorts which we have found after careful test to be best suited to this climate. In case the stock of dormant roots is exhausted, of some varieties, we supply good strong plants from 4-inch pots. In many sections these are used almost exclusively.

**CULTURE.**

Plant in a well drained position and where they will receive the greatest amount of fertilizer added before planting. Well decayed manure is very satisfactory as a fertilizer. Do not set out plant until all danger of frost is over. This should be specially noted in the case of potted plants. Dahlias should be lifted immediately after the first killing frost and stored in a cool place over winter.

(For Prices of Dahlias See Page 8.)

**THREE BEAUTIFUL DAHLIAS.**

1—Cactus Dahlia—Tos Abelin.  
2—Show Dahlia—Lucy Fawcett.  
3—Decorative Dahlia—Perle de la Tete d'Or.

**CACTUS DAHLIAS.**

These are of a lighter formation and much used for cut flowers. Ella Kramer—Rose pink, one of the best.  
Mrs. W. H. Raby—Cream white, large.  
Sparkler—Very bright scarlet.  
Spitfire—A fiery scarlet.  
Shooting Star—Pure yellow with very fine form.  
Brunhilda—Dark maroon.  
Jamaica—Rich plum color.  
J. H. Jackson—The best Dahlia yet out; almost black.  
Harbor Light—Orange red overlaid with flame color.  
Tos Abelin—A brilliant fiery red; a fine, large, refined flower of perfect incurved form; produced in the greatest profusion on long, stiff stems. A fine cut flower.  
Earl of Pembroke—Bright plum color. Very fine.

**Goldland** — A primrose yellow of great merit.

**H. P. Robinson** — Clear golden yellow.

**Iceberg** — Ivory white.

**Mrs. Jewett** — Deep salmon.

**Alight** — Rich orange scarlet.

**Schneekoenigin** — Pure glistening white, with most perfectly arranged petals. A very valuable variety for cut flowers.

For Price of Dahlias  
See Page 8.



Sparkler—Cactus Type.

**PEONY FLOWERED DAHLIAS.**

This beautiful type has a large artistic flowers, best compared to the semi-double peonies in general form. They all flower very freely and are borne on long strong stems, making excellent material for cutting and delightfully fragrant.

**Rheingau**—Showy brilliant scarlet.

**Geisha**—The showiest and most attractive of this type yet introduced; of an effective and rich combination of scarlet and gold.

**Glory of Baarn**—Soft pink.

**La Rainte**—Charming lavender pink.

**Phenomene**—Rosy salmon shaded yellow.

**Queen Emma**—Pink, inner petals banded with gold.

See Next Page for Prices on Dahlias.



Reingau—Peony Flowered Type.



Mina Burgle—Decorative Type.

**Mina Burgle**—This grand Dahlia is clear deep scarlet in color, a veritable ball of fire. We cannot recommend it too highly. It is today more used by the florists of this country as a cut flower variety than almost any other, keeping well after being cut, and harmonizing well with any other flower. Is also greatly used for forcing under glass.

**Wm. Dodds**—Very large clear yellow.

**Oban**—A fine mauve.

**Mrs. Winters**—Pure snow white, very large.

**Storm King**—White; one of the best.

**A. D. Livoni**—Light pink; very fine for cutting.

**Le Phare**—Rich red.

**Delice**—Bright pink, suffused with lavender pink. Decorative.

**Reggie**—Cherry red, very large flowers. Decorative.

**Clifford W. Bruton**—Large bright yellow.

**Capt. of Maroon**—The leader in its color.

**Jack Rose**—The best red of all.

**Meteor**—Deep red; fine form.

**Maid of Kent**—Cherry red, tipped with white.

**Lucy Fawcett**—Pale yellow, striped with pink.

**Arabella**—Pink, suffused with lemon yellow.

**Mrs. Dexter**—Large orange red.

**Elegans**—Beautiful large magenta.

**Robert Bromfield**—Pure white, large flowered. Show type.

**Perle de la Tete d'or**—White faintly veined with lavender. One of the best.



La Grand Manitou—Decorative Type.

**SHOW AND DECORATIVE TYPES.**

**Le Grand Manitou**—A gigantic flower of white, striped and splashed with reddish violet. The largest and best decorative dahlia.

**Wm. Dodds**—Very large clear yellow.

**Dorothy Peacock**—Clear, live pink.

**Glorie De Guiscard**—A combination of orange, red, yellow, pink and white. Very novel.

**Norma**—Bright orange, free flowering.



Delice—Decorative Type.

**Souvenir de Gustav Doazon**—One of the largest Dahlias grown. Specimen flowers of this variety have been produced measuring 9 in. in diameter. Orange red in color, and of perfect form.

**John Walker**—A splendid white of exceptional value.

**PRICE OF DAHLIAS.**

1-year old roots each 30c. Postpaid, 35c.  
1 year old roots, per doz., \$3.00; postpaid, \$3.50.  
Plants from 4-inch pots each 30c. Postpaid, 35c.  
From 4-inch pots, per doz., \$3.00; postpaid, \$3.50.  
Plants from 3-inch pots each 20c. Postpaid, 25c.  
From 3-inch pots, per doz., \$2.00; postpaid, \$2.50.

**SPECIAL COLLECTIONS.**

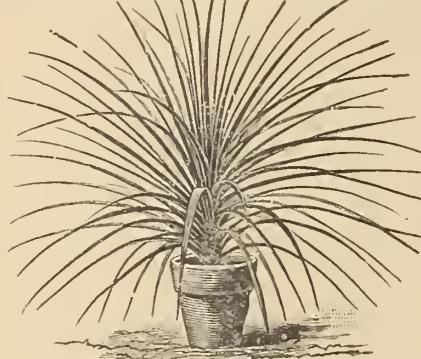
For those of our customers who are desirous of a selection of real merit, we offer the following superb collections:—

1 each of the following six decorative Dahlias.

**Gettysburg, A. D. Livoni, Capt. of Maroon, Le Phare, Maid of Kent, Elegans.** 1-year old roots, postpaid, for only \$1.75.

1 each of the following six Cactus Dahlias:

**Sparkler, Mrs. W. H. Raby, Spitfire, Jamaica, Brunhilda, Harbor Light.** 1-year old roots, postpaid for only \$1.75.



Dacena Indivisia.

**DAISIES.**  
*Bellis Perennis*—English Daisy.



Daisies.

Like Pansies—the Daisies for beds or borders in the garden or cemetery are very much in demand. Blooming plants in pink or white ready May 1st.

Dozen ..... 60c  
Dozen (Postpaid) ..... 75c

State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—I am so well pleased with my order of plants that I received from you, that I shall always send you my future orders.

Mrs. Fred Ackles.

Baker, Mont., March 22, 1919.

# FERNS



S.N.Co.

**Adiantum Cuneatum.**

**Adiantum Cuneatum**—The True Maiden Hair Fern. One of the handsomest Ferns in existence, and well known from its great use in bridal bouquets.

Each	25c and 50c
Each (Postpaid)	30c and 60c



**Aspidium Tussimense.**

**Aspidium Tussimense**—A great favorite for Fern Dishes, and one of the best.

Each	20c and 35c
Each (Postpaid)	25c and 45c

**Nephrolepis Elegansissima (The Tarrytown)**—Another fancy Boston and a very valuable addition where fine foliage is desired.

Each	25c, 35c, 75c, \$1.50 and \$2.50
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## FERN DISHES—FILLED

Prices according to size of dish and number of Ferns used. Usually from 75c to \$1.50. We also carry a complete stock of Fern Dishes, each \$1.00, \$3.00, \$5.00, \$7.50. By express only.



Boston Fern.

**Nephrolepis Bostoniensis**—(Boston Fern)—This is the general favorite with all lovers of house Ferns. More plants of this one variety have been sold than of any other one variety, and the demand is still increasing. To meet the constant demand for plants suitable for presentation to friends, we have a "SPECIAL" in this type.

Each ..... 25c, 35c, 50c, 75c, \$1.00, \$1.50.  
Postpaid ..... 35c, 45c, 60c, 85c, \$1.20, \$1.75  
SPECIAL—For presents, each ..... \$2.50 to \$4.00



Pteris Tremula.

**Pteris Tremula (Lace Fern)**—Splendid for the house.  
Each 35c and 50c; postpaid ..... 45c and 60c



Pteris Serrulata Crestata.

**Pteris Serrulata Crestata**—A crested type of Serrulata and very attractive.

Each ..... 25c and 30c  
Each (Postpaid) ..... 30c and 40c

**Pteris Serrulata**—Very ornamental.

Each ..... 20c and 35c  
Each (Postpaid) ..... 25c and 45c

**Pteris Alba Lineata**—Cream striped foliage.

Each ..... 20c and 35c  
Each (Postpaid) ..... 25c and 45c

**Pteris Wimsetti**—A beautiful crested variety.

Each ..... 20c and 35c  
Each (Postpaid) ..... 25c and 45c



Crytomium Falcatum—(Holly Fern.)

**Crytomium Falcatum**—The popular Holly Fern. Very suitable for Fern Dishes and makes a perfect specimen plant. The leaves are thick and a beautiful holly-green color.

Each ..... 20c, 35c, 75c, \$1.50  
Each (Postpaid) ..... 25c, 45c, 90c, \$1.75

**Polypodium Aureum**—(Rabbits Foot Fern)—An old favorite, of very easy culture, tall growing and very graceful.

Each, 50c; postpaid ..... 65c  
The larger sizes by express only ..... \$1.00 and \$2.00



Forget-Me-Not.

### FORGET-ME-NOT

(*Mysotis Palustris*.)

This is an improved strain of this old favorite, and wonderfully free flowering. Each, 15c; doz., \$1.50. Postpaid, each, 20c; doz., \$1.65.

### FUSCHIAS.

A favorite with our grandmothers and a favorite still. With their wonderful combinations of color and free flowering propensities they are also of very easy house culture and may be depended upon to bloom all summer. The following named varieties are the best known to the trade.



S.N.C.O.

Fuchsia—Black Prince.

**Black Prince**—Red single.

**Chas. Blanc**—Deep red and rose, single.

**Lustre**—White and scarlet, single.

**Mrs. E. G. Hill**—White and red.

**Phenomenal**—Red and purple, large double.

**Trophee**—Double purple corolla, crimson tube and sepals.

**Little Beauty**—Beautiful red sepals with purple corolla, single.

**Lord Byron**—Single variety, superb shades of red and deep purple.

**Teuner**—Very red sepals with light purple corolla.

**White Beauty**—Red sepals with white corolla, single.

Each 20c; postpaid, 30c.  
Doz., (postpaid), \$2.75.

Larger Plants, 35c and 50c.

### GENISTA FRAGANS

A simply beautiful and highly fragrant early spring blooming plant of bushy habit and extremely free flowering nature. The flowers are yellow, of small pea flower shape, and borne in spikes which almost cover the plant. In great demand for Easter decoration.

Each, 50c; postpaid ..... 60c  
Larger size, \$1.00; by express only.



Ficus Elastica.

### FICUS—(Rubber Plant.)

**Ficus Elastica**—Admirable for the house and easily taken care of.

Each ..... 75c and \$1.50



FEVERFEW.

(*Pyrethrum*.)

Another old favorite, blooming continuously through the summer and fall, with double white flowers. Very freely produced.

Each ..... 15c; doz., \$1.50  
Postpaid ..... 20c; doz., \$1.75

# GERANIUMS

The following list of these poplar plants both for house use and bedding purposes will be found to contain only the best and most desirable varieties known. We are constantly testing and trying out new varieties, and only when we have proved them suitable for this section do we add them to our list.

**STANDARD VARIETIES.**  
(Double.)

**Helen Michell**—This is a recent introduction of great merit. It is a semi-double, of a clear scarlet color, with very large florets and truss. Foliage a lustrous green, of a bushy compact habit of growth. Very early and free bloomer.

**Alphonse Ricard**—Bright Vermillion.

**E. H. Trego**—Beautiful dazzling scarlet.

**Beautie Poitevine**—Salmon pink, the best of its color.

**La Favorite**—White, one of the best.

**Louis Madeline**—A deep pleasing rose color.

**Marquis de Castellaine**—Crimson, with immense trusses of bloom.

**M. Jules Dispot**—Combination of red, violet and lilac, quite dark.



One of Our Many Geranium Houses.

**Red Wing**—Bright scarlet, striking bedder, good for cutting.  
**S. A. Nutt**—Dark crimson, the best bedder of all. A great demand for this every year.

**Jean Viaud**—Grand pink bedder.

**Madonna**—Snow white, good bedder.

**M. Paul Blondeau**—Bright rose, very large flower.

**(Single Varieties.)**

**Col. Gillan**—Bright scarlet maroon, markings very brilliant.

**Gen. Wolseley**—Rosy scarlet, showy and effective.

**Mme. L. Moyot**—White center, vermillion border.

**Mme. P. Morlan**—Rosy salmon, free bloomer.

**Michele Savery**—Salmon pink, shading to white.

**Sentinel**—Dark crimson, round flowers.

**Scaramouche**—Salmon, shading to white at tip of petals.

**Vera Oulianesk**—White, clear, round, perfect flowers.

**Yvette Prost**—Rosy pink, fine for cutting or window boxes.

**Prices—Single or Double—**

Each from 3-in. pots	20c; doz., \$1.50
Each from 3-in. pots (postpaid)	25c
Doz. from 3-in. pots (postpaid)	\$1.65
Each from 4-in. pots	25c; doz., \$2.50
Each from 4-in. pots (postpaid)	30c
Doz. from 4-in. pots (postpaid)	\$3.00
Large plants by express only.	
Each from 5-in. pots	50c; doz., \$5.00
Larger plants	75c and \$1.00 each



**Helen Mitchell.**

Gillette, Wyo., June 6, 1919.

**State Nursery & Seed Co.,**  
Helena, Mont.

Gentlemen:—The Aster arrived today. Both they and the other plants arrived in very good condition and stood the transplanting very well. I am very much pleased with the order.

Yours truly,  
Miss M. Elibeth Spaeth.

**NOTE—Postpaid Prices—Where Quoted—Cover not only Actual Postage, but the Cost of Packing, etc., Ready for Shipment. These Prices Cannot be Deviated from on Mail (Parcel Post) Shipments.**

**THIS ISSUE CANCELS ALL  
PREVIOUS ISSUES.**

## GERANIUMS (Continued)



Gen. Wolseley.



Ivy Leaved Geranium.

## IVY LEAVED GERANIUMS.

This class of Geraniums is rapidly growing in popularity and never fails to please those who desire a really valuable window plant. They are very free bloomers, and lend themselves splendidly to house culture.

**James Atfield**—Large pink double flowers, very fine.

**Pierre Crozy**—A single free bloomer of intense scarlet.

**Leopard**—Lavender pink dotted with crimson.

**Souvenir de Chas. Turner**—Deep bright pink.

**Achievement**—Rose with white eye.

**La Eleganta**—Beautiful variegated foliage.

**Wm. Tracy**—Double light pink, a rather short habit of growth. Very fine.

Each, from 3-in. pots.....20c; doz., \$2.00

4-in. pots.....30c; doz., \$3.00

Each (Postpaid), from 3-in. pots.....25c; doz., \$2.50

Each (Postpaid), from 4-in. pots.....35c; doz., \$3.50

## VARIEGATED GERANIUMS.

**Happy Thought**—Leaves yellow center bordered with green. Flowers rose.

**Madame Salleroi**—Bushy variety, used for borders; goes well with Lobella.

**Mountain of Snow**—Fine foliage variety, silver edge, flowers red.

**Mrs. Pollock**—Foliage yellow, green and red variegation. Flowers red.

Each, in 3-in. pots.....20c; doz., \$2.00

Postpaid .....25c; doz., \$2.25

## SCENTED GERANIUMS.

**Balm**—The well known large foliaged rose scented geranium.

**Lemon**—The small foliaged old-fashioned Lemon Geranium. Very fragrant.

**Rose-Scented Geranium**—Very popular. Flowers pink.

**Shrubland Pet**—A new Rose-Scented Geranium, with pink blossoms, and of free branching growth. Foliage highly fragrant.

Each, in 3-in. pots.....20c; doz., \$2.00

Postpaid .....25c; doz., \$2.25



PELARGONIUM—Easter Greeting. (See next page.)

## PELARGONIUMS

(Martha Washington Geraniums.)

**Easter Greeting**—One of the most desirable plants of this class that can be grown. Its flowers, which are borne in great profusion from March until late fall, are a fiery-amaranth red, each petal bearing a blotch of deep brown or black and very large, often measuring from two to three inches in diameter. It is of a very compact and bushy habit, and of easy house culture. It is nearly impossible to say too much in recommendation of "Easter Greeting." Wherever a plant is desired for the house that will bloom continuously throughout the summer, no mistake will be made by selecting "Easter Greeting" for the purpose. Our plants this season are unusually fine and healthy, and cannot fail to please.

**Wurtenbergia**—Similar in habit to Easter Greeting, with flowers of a vivid crimson.

**Lavender Gem**—Another of the Easter Greeting type, with beautiful lavender-pink flowers.

**Rose Bard**—A beautiful shade of pink.

**Mons. Herzog**—Reddish pink.

**Crimson King**—Intense crimson, free flowering.

**King Oscar**—Bluish pink, shaded maroon and red.

**Mrs. Bradshaw**—Pure white, a profuse bloomer.

**Princess May**—Very light pink.

**W. C. Boyce**—A beautiful shade of salmon.

Each .....	20c, 35c and 50c
Each (Postpaid) .....	30c, 45c and 60c

**Madam Layal—(The Fanciest Geranium)**—This is another of the plants a favorite with our grandmothers, and is rapidly coming into another well deserved reign of popularity. Of the most easy house culture and a most profuse bloomer.

Each .....	25c; doz., \$2.50
Postpaid .....	30c; doz., \$2.75



Gladiolus.

## GLADIOLUS

Very attractive summer flowering bulbs and in which wonderful improvements have been made. To get the very best results they should be planted in a good sandy loam and where they get the most sun possible. Good spreadings of well rotted stable manure is the best fertilizer. Care should be taken in planting, bulbs being set from 4 to 6 inches deep and from 5 to 6 inches apart each way. In the fall, before frost, the bulbs should be lifted, the stems cut off; place the bulbs in a cellar or some place away from the frost until planting time in the spring.

**America**—Large flesh-pink flowers.

**Augusta**—Pure white with blue anthers.

**Mrs. Frances King**—Light scarlet.

**Brenchleyensis**—Vermillion scarlet.

**Princeps**—Rich crimson, with white blotches on lower petals.

**Halley**—A magnificent salmon pink.

**Mrs. Frank Pendleton**—A beautiful salmon-pink, with deep red blotches.

Any of the above varieties, 75c per doz., postpaid 85c per doz.

**Schwaben**—Clear Canary Yellow with blotch of deep garnet in throat, borne on long strong spikes. This is one of the finest gladiolus extant, and cut spikes in our store the past season were the admiration of all who were fortunate enough to see them.

Per dozen, postpaid ..... \$1.00

**S. N. & S. CO.'S COLLECTION OF GLADIOLUS.**

Comprises the best varieties, both as to flowering and beauty of color.

Mixed per doz., 60c; postpaid ..... 75c

## Porch and Window Boxes Hanging Baskets



Sample of the Beautiful Effect Attained in Porch Decoration by Hanging Baskets and Porch Boxes.

Hanging Baskets can be sent by express to almost any point with safety, but porch and window boxes do not permit of shipment in this manner. If you will send us the sizes of the boxes you desire to fill, we will take pleasure in promptly mailing you a list of plants suitable for the same and their cost. Always give the exposure—North—East—West or South in writing for list of plants suitable for porch boxes. In making porch boxes, it will be found that a width of 7 inches, and a depth of 8 inches, inside measurements, is sufficient. If the place to be filled is six feet or over in length, it will be found best to make the box in two or more sections, for convenience in handling. Always see that holes are bored in the bottom to allow for the necessary drainage.

## HANGING BASKETS



Hanging Baskets.

Prices vary with the class and values of the plants with which the baskets are filled. We can assure our customers that our selections and filling, by artists in this line, can not fail to satisfy even the most critical taste.

Each.....\$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00

According to size and quality of plants used.

By express or parcel post. We do not recommend parcel post for these, and when desired in that manner postage will be extra to above prices.

## HELIOTROPE



Heliotrope.

Heliotropes will succeed in or out of doors. Their exquisite perfume makes them a favorite everywhere.

**Centifleur**—One of the newer forms of medium lavender color, with enormous heads of bloom.

**Elizabeth Dennison**—A very compact large flowered form almost violet in color.

**Florence Nightingale**—A lavender colored type, very floriferous.

Each ..... 15c, 25c and 50c

Each (Postpaid) ..... 20c, 30c and 60c

## HYDRANGEAS



Hydrangea Otaska.

These half hardy shrubs are in great demand as house, porch or garden plants, the varieties listed are of the very best and of easy culture. During winter the plants should be kept cool but never permitted to freeze and only sufficient water to prevent the roots from drying up.

To obtain the blue shades, thoroughly mix with the soil in which the varieties known as **Otaska** or **Radiant** are grown, a free proportion of iron borings or filings. Naturally pink, this will cause them to turn to a most beautiful shade of light blue.

**Otaska**—The well known pink variety.

From April to June we have extra fine specimens in blossom.

Each, small plants, 25c; larger plants, 50c to \$2.50.

Each, small plants (Postpaid) ..... 35c

## NEW FRENCH HYDRANGEAS.

**Mad. M. Hamer**—(French)—A beautiful delicate flesh pink. Very handsome variety. Large plants, each \$2.50.

**Mad. Mouliere**—(French)—Pure white with a rosy carmine eye.

Very large blooms. Large plants, each, \$2.50.

**Vicomtesse de Vilraye**—(French)—A very handsome variety, bright rose colored, changing to blue. Large plants, each, \$2.50.

**Souvenir de Mad. Chautard**—(French)—A very handsome variety, bearing medium sized flowers of bright rose. Large plants, in 6-inch pots, in bloom, each, \$2.50.

## IPOMEA—(Moon Vine.)



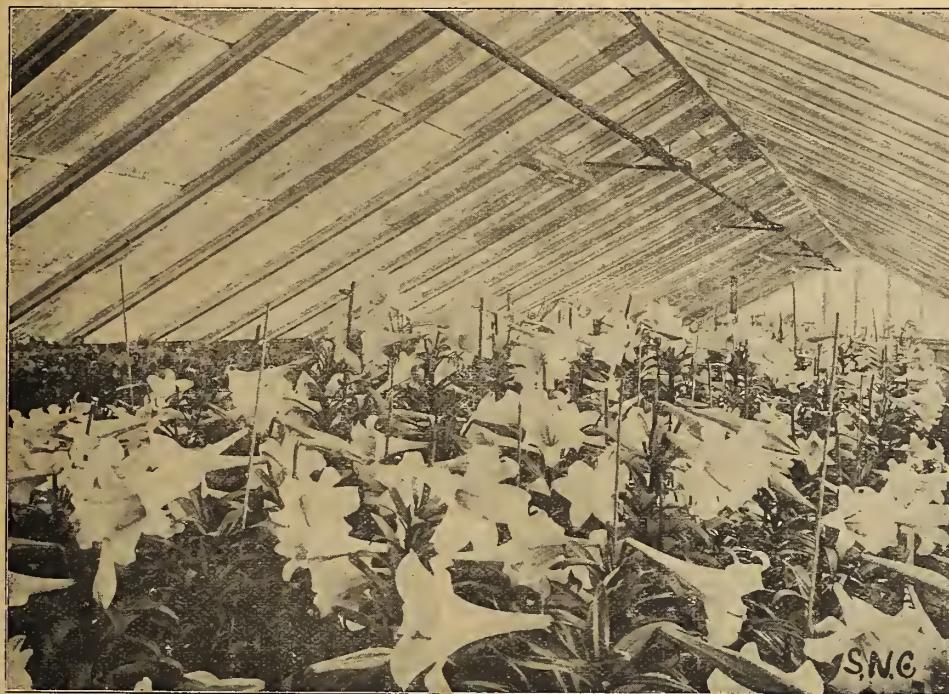
**Moon Vines**—At Home of Melville Calkins, St. Ignatius, Mont.

Moon Vine.

The well known Moon Climber. Flowers white and fragrant.

Each ..... 15c; doz., \$1.50

Each (Postpaid) ..... 20c; doz., \$1.65



**IVY—(English.)**  
Not hardy enough for our winter, makes a good indoor vine.  
Each ..... 25c  
Each (Postpaid) ..... 30c

**IVY—(Parlor Ivy.)**

A good vine for the window at all seasons, and in great demand as a vase, basket or window box plant in the summer.  
Each, 10c; postpaid ..... 15c  
Per doz., \$1.00; (Postpaid) ..... \$1.15



**IMPATIENS SULTANI.**

A plant that should be in everybody's collection being almost continuously in bloom and of bright red color, which makes it the ideal table or window plant.

Each, 15c and 25c ..... Postpaid 20c and 35c

**LANTANA.**

One of the most attractive house plants, with a most brilliant range of colors, and extremely floriferous.

**Craigii Dwarf**—Orange, carmine.

**Compottesse de Brecourt**—A fine pink.

**Delicatissima (Weeping Lantana)**—Rosy lavender flowers, very suitable for hanging baskets.

**Fleur d'Or**—Yellow.

**Grand Sultan**—A brilliant red.

**Snowball**—Pure white.

Each, 15c and 30c; postpaid ..... 20c and 40c  
Collection of 6, 75c; postpaid ..... 90c

**LEMON VERBENA**—(See Aloysia, Page 2.)

## A HOUSE OF EASTER LILIES

We grow these in large numbers for the Easter season. At that time we are prepared to supply these beautiful plants to any part of this section, and you can make no better selection for a present than one of these Lilies. Send us your orders and we will pack with your card attached and ship by express to destination desired. Each ..... \$2.00 to \$4.00  
By express only.

## LILIES

(See Also **Hardy Lilies**, under **Perennials**.)

**Calla Aethiopica**—Calla Lily or Lily of the Nile. A well known and justly a favorite window plant. Of very easy house culture. Each ..... 50c and \$1.00

**Calla—Little Godfrey**—A smaller type of recent introduction and with its extremely free flowering habit, has proved wonderfully popular. Each ..... 50c and 75c

**Lilium Giganteum**—The well known Easter Lily.

**L. Auratum**—The wonderful gold-banded Lily of Japan. Flowers will often, if well grown, measure ten inches in diameter, of a creamy white, spotted with crimson and striped with yellow. Extremely fragrant.

**L. Album**—A well known and handsome pure white lily of wonderful beauty, with reflexed petals.

**L. Rubrum**—Another handsome lily and very largely grown for cut flowers. Of a very desirable pink freely sprinkled with deep crimson spots and markings, and reflexed petals. Dormant bulbs in season of the above varieties, each ..... 50c  
Postpaid ..... 60c



**Lobelia.**

The best of all for border plants, being low and covered with a mass of small blossoms. They thrive in almost any garden soil, but should be planted where they get the most moisture.

**Double Blue Kathleen Mallard**—Large double flowers of an intense blue, very desirable. Each, 10c; postpaid, 15c; doz., \$1.00; postpaid, \$1.15

**Crystal Palace**—Deep blue; a splendid bedder.

**White Gem**—Snow white.

Each, 10c; postpaid, 15c; doz., \$1.00; postpaid, \$1.15



Marguerite—Mrs. F. Sanders.

**Mrs. F. Sanders**—This variety has taken precedence over all others of its class. It is double, pure white, with long stemmed blooms often measuring five inches in diameter. Grown in enormous quantities for cut flowers, and a splendid keeper when cut.

Each, 15c, 25c, 50c; postpaid ..... 20c, 35c, 60c

**White Marguerite—(Chrysanthemum Frutescens)**—This is the well known single Paris Daisy, and the best known of the family.

Each, 15c, 25c, 50c; postpaid ..... 20c, 35c, 60c

**Boston Yellow**—A magnificent golden yellow Marguerite, with flowers from 3 to 5 inches in diameter. Greatly grown for cut flowers, having long strong stems.

Each, 15c, 25c, 50c; postpaid ..... 20c, 35c, 60c

#### MIGNONETTE.

Plants from 2-in. pots, each, 5c; doz ..... 50c  
Each, postpaid, 10c; doz ..... 60c

**MOON VINE**—(See Ipomea, Page 14.)

#### NASTURTIUMS.

**Tall or Climbing Varieties**—The ideal summer vine for trellises, verandas or for covering unsightly railings.

**Dwarf or Bedding Varieties**—Give a splendid effect when massed in beds, their various colors giving an effect incomparable.

Each, 5c; doz ..... 50c  
Postpaid, each 10c; doz ..... 60c

#### OLEANDER.

A most interesting house plant, forming beautiful spikes of flowers in delicate shades of pink and white. The Oleander is probably one of the most popular and well known of all house plants.

Each ..... 25c and 50c  
Each (Postpaid) ..... 35c and 65c

#### OXALIS.

Usually where plants are grown the Oxalis is found in the collection.

**Rosea**—Ever-blooming, producing a mass of blossoms throughout the year.

**Buttercup**—Yellow, grows and blossoms freely..

**Grand Duchess**—Pink. A most prolific flowering variety of easy growth. This Oxalis, is perhaps to be found in more homes than almost any other plant. It is a continuous bloomer, and is often to be seen with beautiful masses of pink flowers from the end of one year to another. This is no exaggeration, for it will literally bloom from January to January if well fed and watered, and kept in a good warm living room and given plenty of light.

Price, each ..... 25c  
Postpaid ..... 30c

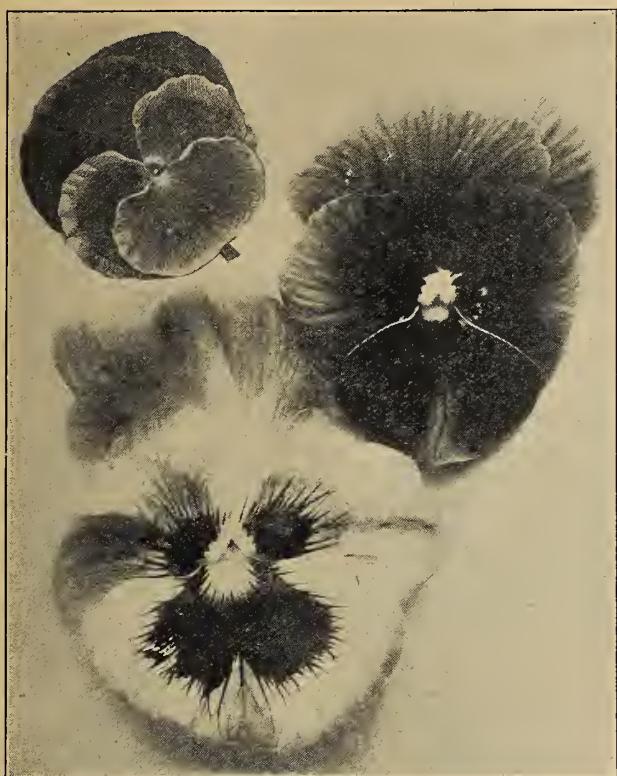


Orchids—(Cattleyas)—In Bloom in Our Orchid House.

## ORCHIDS

We grow these in considerable quantities, and usually have specimen plants in blossom.

Write for prices.

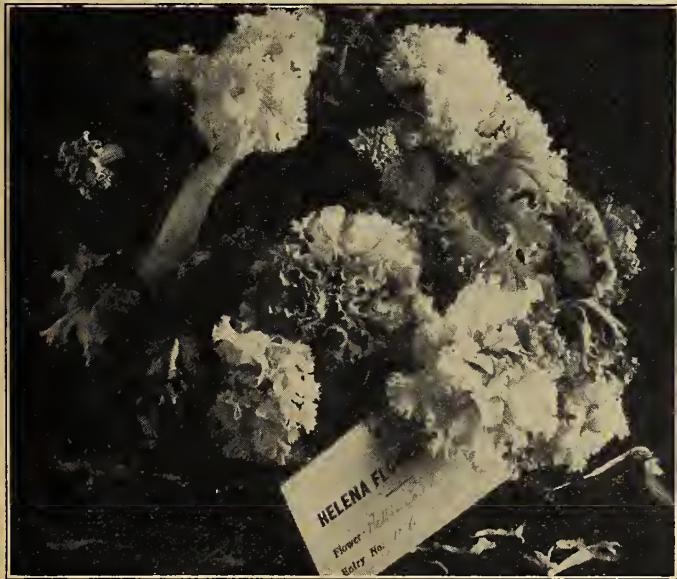


## PANSIES

Who does not love a pansy? The flowers with faces. We are the most extensive growers of these favorites in the entire Northwest, and have spared no pains or expense to procure the finest strains known. Our Pansies are all from strains which combine hardiness, beauty of color, size of bloom and length of stem. A strain which does not measure up to this high standard when tested by our expert growers, is at once discarded. The result of this policy has been that we can scarcely grow enough of the selected strains to supply the demand. We are continually increasing the space devoted to them.

Per dozen .....	75c
Postpaid .....	90c

## PETUNIAS



A Vase of Our Double Petunias.

The demand for our Double Petunias has kept our growers busy to meet it. The steadily increasing use of porch and window boxes for porch decoration, is calling for the best than can be produced in these free blooming plants, and for that purpose they are absolutely indispensable.

### DOUBLE PETUNIAS.

**Edna**—Pink mottled white.  
**Guy**—A beautiful light pink.  
**Jerome**—Purple with white edge.  
**Snowball**—Finely fringed white.  
**Talma**—Clear pink.

Each ..... 20c; doz., \$2.00  
 Each (Postpaid) ..... 25c; doz., \$2.25



Single Petunias.

The beauty of our single Giant Fringed Petunias must be seen to be appreciated. They are of a most bewildering array of color, giants in size, of exquisite beauty, and like the double sorts are indispensable plants for porch boxes and baskets.

Each ..... 15c; doz., \$1.50  
 Each (Postpaid) ..... 20c; doz., \$1.65

**PALMS—(See Palm Department, Page 20.)**

PHLOX HARDY—(See Hards Perennials, Page 32.)

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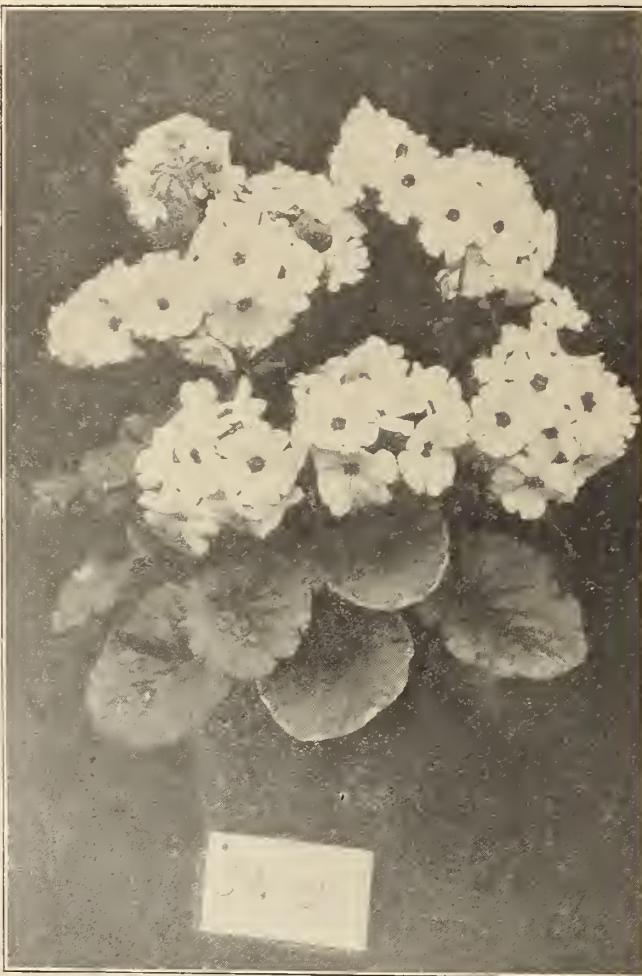
## PRIMROSES

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**Primula Sinensis (Chinese.)**

**Primula Sinensis—Chinense Primrose**—An old-time favorite as a fall and winter house plant. Colors: Red, White, Pink. Very floriferous. Blooming Plants in season; October to March. Each, 35c, 50c..... Postpaid, 45c, 60c



*Primula Obconica.*

**Primula Obconica**—This type of primrose has attained a popularity unequalled by any of the genus. Of a most profuse blooming habit in flower from Fall until early spring. The shades of color range from a pale lavender to deep rose. In ordering state shade of color desired. Blooming plants in season October to March.

October to March.  
Each, 35c, 50c..... Postpaid, 45c, 60c



### Primula Malacoides.

**Primula Malacoides**—This is the Baby Primrose. It bears masses of delicate lavender colored flowers in wild profusion, and deservedly ranks among the best of the fall and winter house plants. Blooming plants in season; October to March. Each, 35c, 50c.....Postpaid, 45c, 60c

For those who desire to grow these plants to full maturity in the house, we offer young plants from May to August at, Each ..... 25c and 35c  
Baptisia ..... 45c and 60c

SEND FOR OUR XMAS CATALOG, WHERE  
WE QUOTE SUPERB SPECIMEN PLANTS OF

**POSES—(See Pages 21 to 26.)**

**SALVIA—Scarlet Sage**

Salvia—or as it is more commonly called, Scarlet Sage—is without a doubt one of our most valuable summer bedding plants. Give it a sunny location, with well fertilized soil and sufficient water, and a bed of Salvia will well repay the outlay. Of easy culture—and rapid growth, they literally cover themselves with long, erect spikes of most brilliant scarlet flowers, borne well above the deep green foliage. A well grown bed of Salvia is literally a bed of fire.

Each ..... 15c; doz., \$1.50  
Each (Postpaid) ..... 20c; doz., \$1.65

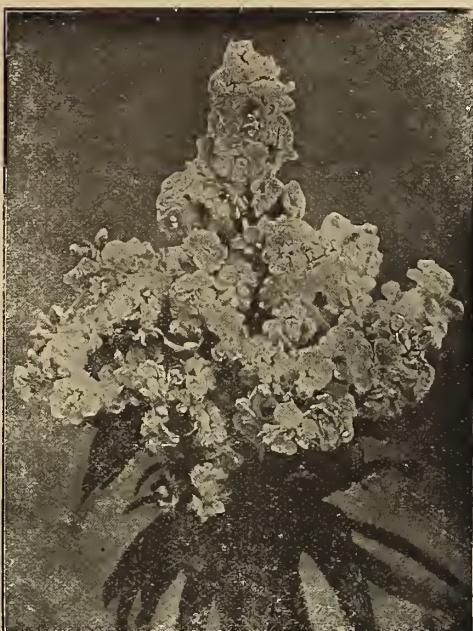
**Saxifraga Saramentosa—Aarons Beard—Mother of Thousands—** or **Strawberry Geranium.** This is a handsome plant of a wonderful trailing habit, with brightly variegated foliage. It is a splendid plant for small hanging baskets, of a real decorative value, that will thrive under most adverse conditions.

Each ..... 25c and 50c  
Postpaid ..... 30c and 60c

## STOCKS

Ten Weeks  
(Gilliflower)

**Stocks** — One of the most useful bedding plants, that can be grown. Their intensely free blooming habit, coupled with their long keeping qualities when cut and their magnificent range of coloring, render them a universal favorite with all flower lovers. In shades of white, yellow, dark blue, lavender, pink, rose and blood red. Per doz., 50c; Postpaid, 60c



Stocks.

## TRADESCANTIA

## (Wandering Jew)

One of the most used plants in the world for hanging baskets and porch boxes. Two varieties—green foliage and variegated, the latter being red and silvery green.

Each	20c
Dozen	\$2.00
Each (Postpaid)	25c
Dozen (Postpaid)	\$2.25

## TUBEROSES.

One of the most delightfully fragrant and exquisite of all summer blooming plants. It is desirable to plant the bulbs as soon as the ground becomes warm. Our specialty is the Excelsior Double Pearl variety.

Each	5c
Dozen	50c
Each (Postpaid)	10c
Dozen (Postpaid)	60c



Tradescantia.

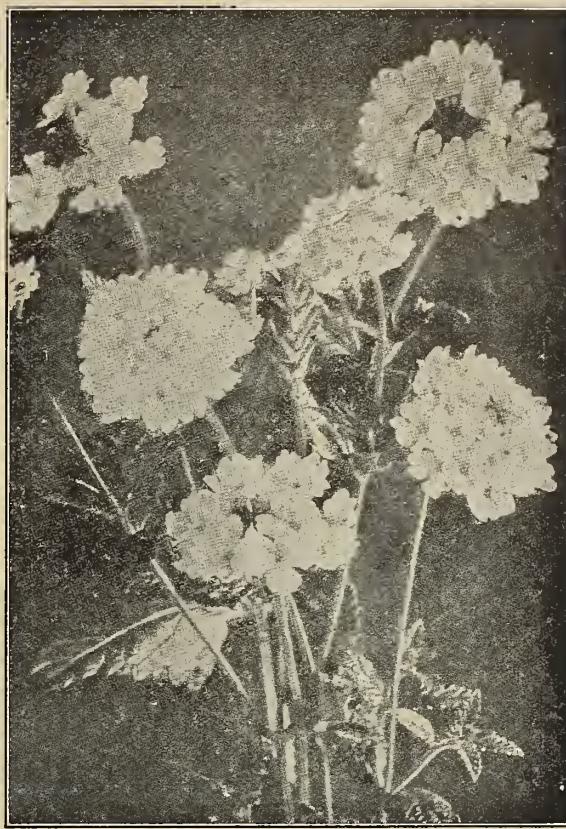
## VIOLETS.

We have found that violets under proper cultivation can be grown in Montana that are the equal of any in the entire country. As an evidence of this fact, the demand for violets as cut flowers, in their season, in our own case, has increased so rapidly that it now requires seven of our largest greenhouses to satisfy the demands made upon us for these fragrant blooms. Under the care of the expert in charge of these plants, they are absolutely free from all kinds of disease that so often attack them in many parts of the country.

**Governor Herrick**—Flowers of rich purple borne on good stems and very prolific.

**Princess of Wales**—One of the best varieties grown. Flowers very large, long stems, a very profuse bloomer, and extremely fragrant.

Each	10c and 25c
Postpaid	15c and 35c



VERBENAE.

These are one of the best and without doubt one of the most valuable bedding plants for use in the Northwest. They bloom continuously through the summer, and very often after the first frosts of fall. Their free flowering proclivities, and brilliant shades of coloring render them attractive to every lover of summer flowers in the garden. Colors—Scarlet, Pink, White, Purple and Striped.

Each, 15c; per doz.	\$1.50
Postpaid, each 20c; doz.	\$1.65

## VINCA MAJOR.

This is without a peer as a decorative vine for porch boxes and hanging baskets. Of the most easy culture, and rapid growth, it is today the most used trailing plant for this purpose in all parts of this country. The demand for it in the United States runs into the millions each year, and is steadily growing.

**Vinca Major Variegata**—Foliage dark green in center, bordered with an irregular margin of rich creamy white. A most beautiful vine for porch use, and can not be too highly recommended.

Each	15c to 35c
Postpaid	20c to 45c

**Vinca Minor Argentea Variegata**—This is a comparatively new introduction, but the demand is already passing the supply. It is a variegated form of the favorite old English periwinkle with silver white edging around the deep green center of the leaf. Like its parent, it is extremely hardy, making a splendid carpet plant in the most shady places where hardly any other plant would grow at all. A most useful plant for covering graves, the wonderful contrast of color and evergreen foliage rendering it one of the most valuable acquisitions of late years for this purpose.

Each, 15c to 35c; postpaid	20c to 45c
Per doz., \$1.50; postpaid	\$1.75
Large clumps, 50c; postpaid	65c
Per doz., \$5.00, by express only.	

## WALLFLOWERS.

In this we have another favorite, fragrant and easily grown old-time flower. Great improvement in these plants has been made in the last few years, and they are now in ever increasing demand.

Each, 5c; doz.	60c
Postpaid, 10c; doz.	75c

## ZINNIA—(Old Maid.)

Zinnias are one of the finest and showiest annuals grown. They will thrive anywhere, blooming from early summer until cut down by frost. With every color of the rainbow and some others thrown in, a bed of Zinnias is indeed a most gorgeous sight in the summer landscape.

Each, 5c; doz.	60c
Postpaid, each, 10c; doz.	70c

# PALMS

Palms make an ideal gift for any purpose and at any season, be the occasion a Wedding, a Birthday, or a Christmas remembrance. We are the largest growers of these and all other plants in the Northwest, and can always supply select specimen plants at moderate prices.



ONE OF OUR PALM HOUSES.



The Kentias named below are among the very best of the Palm family for house culture. Among the hardiest of the family, they are often grown for years in the home, with wonderful success, and there is no plant that gives that unique touch of tropical gracefulness to a room or hall, or that can be used to break or completely change the contour of some awkward corner as a well grown Kentia.

**Kentia Fosteriana**—An extremely useful variety and one that responds well to house culture.

Each ..... \$1.00 to \$5.00

**Kentia Belmoreana**—Another splendid house type similar to Fosteriana, with broader pinnae and a longer growth of midrib or stem.

Each ..... \$1.00 to \$5.00

**Phoenix Robelenii**—A splendid house Palm, with light, feathery foliage.

Fine Specimen Plants ..... \$5.00 each

State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—The plants I ordered from you a few days ago were received in perfect condition. I am certainly delighted with this—my first—order from you, especially with the Boston Fern. It is beautiful, for the price I paid for it, and I am enclosing stamps for one more like it.

Yours very truly,  
Mrs. Fred Kumrow.

Oswego, Mont., June 1, 1919.

State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—I have received the crate of plants and am more than satisfied with them. They are in first-class condition, and they are all doing well. This was my first order to you, and in the future, if I contemplate another order for plants, it will be to your firm.

Yours respectfully,  
Rose C. Archdale.

# ROSES

WE DEVOTE A SPECIAL DEPARTMENT—AN ENTIRE RANGE OF GLASS—IN CHARGE OF AN EXPERT TO THE PRODUCTION OF ROSES FOR MONTANA AND THE NORTHWEST.

Roses—The flowers that are beloved by all—can and are now grown as successfully in Montana as in any section of the country. Careful pruning at the proper season, sufficient water and fertilizer; with a good protection of such material as dry straw in winter, will give a wealth of beauty and bloom in the summer that will far more than repay for the outlay and labor expended on them.

## New Rose--Columbia



Columbia is a new rose, introduced in 1918 for the first time. It is an American production, and has been received most enthusiastically wherever grown and seen. It is doing well for us and is a wonderful bloomer. Its blooms are large, of most exquisite form, of a perfect Peachblow pink, which deepens as the flower opens. It has unusually long, stiff, erect stems, and is almost thornless.

Price.....50c and \$1.00 each

**READ THE FOLLOWING LETTER ON "COLUMBIA".**

State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—Last Spring I purchased a Columbia Rose from you and it proved such a success that I have moved it into the house for the winter. An unexpected freeze caught it with eleven buds on it, but after trimming it back it seems to be starting good again. The flowers often last ed two weeks on the plant.

Powell, Wyo., Oct. 10, 1919.

Very truly yours,  
Mrs. A. D. Persson.

Wise River, Mont., June 23, 1919.  
State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—I want to thank you very much for the care you took in filling my order. I know it was late, but we had just moved here and wished to secure what we could. Everything I ordered was quite up to expectations, and the extra plants included are beautiful. I thank you so much.

Respectfully,  
Mrs. W. O. Ferguson.

## FOR PRICES ON ROSES

Where not quoted see page 25  
For PricesHybrid Tea Roses  
(Red)

Monthly—Or Everblooming.

**X Hoosier Beauty**—A late introduction, but it has jumped at once in a popularity attained by few. Color a glowing deep scarlet with darker shadings, and opens into a magnificent bloom. Each, 25c and 60c; postpaid, 30c and 60c.

**X American Beauty**—This is one of the best known and most popular Roses ever introduced. It has proven one of the very best for this climate, and its beautiful large red blooms can be seen in every section. We make a specialty of this and always supply the finest grade of stock.

**X Hadley**—Deep rich velvety crimson. Large double flowers on long, stiff stems. Very fragrant and a prolific bloomer.

**Francis Scott Key**—Red, shading to cerise, very double, and a free bloomer.



Gruss an Teplitz.

**X Gruss an Teplitz**—This is a wonderful Rose, of a dazzling fiery crimson. It is a very free grower, and unlimited flowering qualities. Should be in every collection.

**H. E. Richardson**—This is another good velvety crimson Rose, free flowering and fragrant.

**X Red Radiance**—This is a sport from the Pink Radiance, of which it is an exact counterpart, except in color, which is of a clear bright pink.

**Edward Mawley**—Velvety crimson, deep and rich. Huge faultless petals arranged into perfect blooms. Richly fragrant and very free flowering, bearing every flower rigidly erect.

**Mrs. Sarah Yates**—A fine crimson Rose and free blooming.

## Tea and Hybrid Tea Roses (Pink)

**La France**—Although introduced in 1867 this wonderful Rose still preserves its popularity. Of a silvery Rose, with pink shades, and satin-like petals of wonderful beauty and unequalled fragrance. A continuous bloomer.

**X Ophelia**—A recent introduction, and one that has taken Rose lovers by storm. In color it is a brilliant salmon-flesh pink, showing orange yellow shadings. Very floriferous, a vigorous grower, and bears its blooms erect on long stiff stems. Very fragrant.

**Duchess of Normandy**—This is a perfect Rose of salmon-flesh color appearing to be overlaid with yellow. A very exquisite and pleasing shade.

**Pink Killarney**—The Irish Beauty Rose. Sparkling pink with large beautifully formed buds of exceeding beauty.

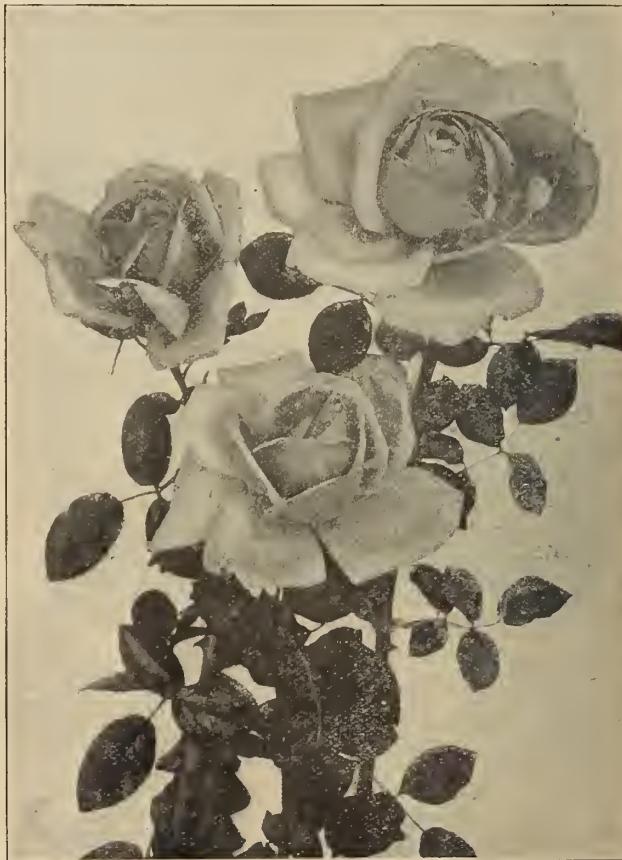
**X Bon Silene**—This Rose has been a favorite since 1835, and is today gaining a new lease of popularity. Color a rose shaded with crimson; beautiful buds with long petals. One of the hardiest of the Tea Roses.

**X Hermosa**—This is another old favorite, introduced in 1840, but still retains its popularity. While it is of the Bourbon type, it is of a free blooming nature, with finely formed flowers of a soft deep pink.

**Mrs. Chas. Russell**—This Rose is a magnificent pink, one of late introduction, and which jumped at once into well deserved popularity. Long, strong stems and very large flowers.

**September Morn**—Light pink, a most attractive Rose.

## New Rose-Los Angeles



This new rose is creating a furore among rose growers from the Pacific to the Atlantic. It is a true American product—originating in California.

Its color is a luminous flame pink, toned with coral, and shaded with translucent gold at the base of the petals.

This has proven with us the past season to be a splendid summer rose for the garden, but it is somewhat tender for Montana winters. It will require good protection in winter, or better still it will well repay to take up and care for inside for the winter.

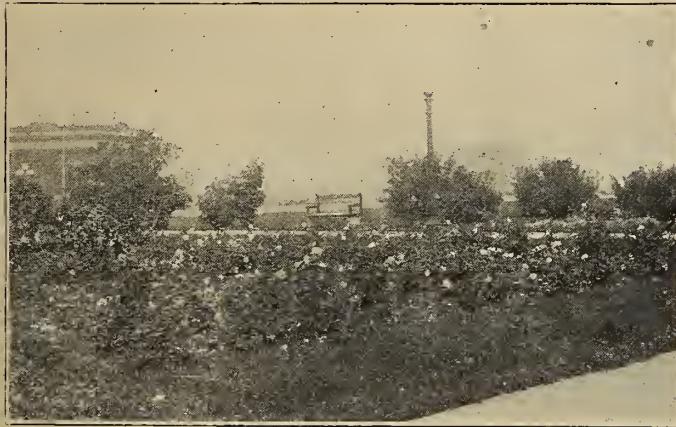
Price, each.....50c, \$1.00 and \$2.50

Order early—our stock of this magnificent novelty is very limited.

## PINK RADIANCE—The Wonder Rose for Montana



Radiance.



Bed of Radiance Roses, Hill Park, Helena.

The above illustration, from a photograph taken in the fall of 1919, after a trying season of hot, dry weather, is a most striking example of what "Pink Radiance" Rose will produce in this section. Never during the whole summer, was this bed without a large quantity of blooms—the delight of everyone who visited the park. We feel that we cannot recommend this rose too highly for planting in the Northwest, and its wonderful success in almost all sections of this state has created a demand for it unequaled by any other variety. It is a hardy, vigorous grower, with flowers of a brilliant rosy carmine, which when fully open are shaded with opaline pink. Our specimen plants of this variety cannot be equaled.

Each, from 4-inch pots, 50c; postpaid..... 65c  
Per doz., from 4-inch pots, \$5.00; postpaid..... \$5.50

Large specimen plants, each, \$2.00; per doz. \$20.00

While these large plants can be sent by parcel post, we recommend express for them. These can not be equaled for park planting.

## Tea and Hybrid Tea Roses (White)

See Page 25 for Prices.

**X Kaiserin Augusta Victoria**—One of the best white Roses ever introduced. A most sturdy grower with large perfectly formed and fragrant flowers, it combines all the attributes that go to make a perfect Rose. Very profuse.

**X Clothilde Soupert**—Known in many sections as the Cemetery Rose, as it will bloom and thrive with so little care. It is a cluster bloomer, white, shading to a light pink, and very profuse, a dwarf grower, and very fragrant. Makes an ideal pot Rose for the house in winter or summer.

**X White Killarney**—A perfect counterpart to Pink Killarney from which this is a sport. Like its parent, it has proven a valuable Rose in this section, as they will stand our winters with ordinary protection, and produce a wonderful wealth of bloom.

## Tea and Hybrid Tea Roses (Yellow)

See Page 25 for Prices.



Mrs. Aaron Ward.

**X Mrs. Aaron Ward**—This is another Rose of comparatively late introduction, but it has achieved a wonderful popularity. The flowers which are produced in great profusion, are of an Indian yellow shading to a lemon at the edge of the petals; very full and deep, showing as it unfolds a deep golden heart.



Sunburst.

**X Sunburst**—A splendid Rose of vigorous habit and one of the largest of the H. T. type. The color is an orange-copper or golden orange, very intense giving a most brilliant effect. A giant of its class, of perfect form, good keeping qualities when cut, it has proven an estimable garden Rose for this section.

**Perle Des Jardins**—A clear golden-yellow Rose, very rich and of great depth. Very full, a most profuse bloomer, and very fragrant. A tender Rose,



Frau Karl Druschki.

## Hybrid Perpetual Roses

For Prices See Page 25.

**X Frau Karl Druschki**—Commonly known as the White American Beauty, or Snow Queen. A most vigorous grower producing large, long buds and magnificent white blooms. Very hardy, and deservedly popular.

**X Anna de Diesbach**—(**Glory of Paris**)—A very free blooming form of this type of Rose and a vigorous grower. Color a shell-pink, long, pointed buds, very double and large compact blooms, very fragrant.

**Black Prince**—Color an intensely dark crimson; flowers very large and double. A strong grower and free bloomer.

**Baron de Bonstetten**—A superb Rose, of a velvety deep crimson color.

**Captain Christy**—A delicate flesh pink, shading to a deeper color at the center of a large, very double and handsomely formed flower. Strong grower and very free.

**X Clio**—Color flesh-pink, shaded in center with rosy-pink; large globular flowers freely produced and fragrant. A vigorous grower.

**X General Jacqueminot**—Better known as General "Jack", a justly celebrated Rose, with its shapely buds and handsome flowers of rich brilliant velvety crimson, and delicious fragrance. The "Jack" Rose is beloved by all for its all round good qualities.

**X General Washington**—Large double scarlet flowers. A fragrant Rose, free grower and profuse bloomer.

**X Jubilee**—A hardy and almost ever-blooming Rose, flowers extremely large, very double, of a glowing velvety crimson, shaded at the base with a touch of maroon-red. Hardy, a vigorous grower and wonderfully fragrant.

**X Mrs. John Laing**—A beauty—in clear, bright, shining pink; every bud with its deeply serrated calyx and close growing foliage becomes an elegant Boutonniere. The open blooms are immense, very full, and borne on long stiff stems.



Paul Neyron.

**X Paul Neyron**—This is the largest of all Roses, with its flowers of clear bright shining pink, and deliciously perfumed. It is also a most prolific bloomer, and of strong and vigorous growth. Almost thornless, and very hardy.

**X Ulrich Brunner**—This is a seedling from Paul Neyron with brilliant cherry-red flowers of globular form and immense size. This variety has proven as desirable for garden growing as its parent, and is in great demand in all sections of the country.

For Prices See Page 25.

## Climbing Roses



Baltimore Belle.

**Baltimore Belle**—Flowers of a pale blush or pink, passing to white, very double, and borne in clusters in great profusion, making a mass of bloom. Very hardy and one of the best climbers for Montana.

**Climbing American Beauty**—This comparatively new climbing Rose has proven exceedingly popular in many parts of the country. It is a seedling from the well known American Beauty, with a mixture of Tea and Wichuriana blood, and is similar to its parent in size of bloom, color and fragrance. It is almost a continuous bloomer, a vigorous climber, and has proved to be very hardy.



Dorothy Perkins.

**X Dorothy Perkins**—Flowers borne in great profusion in clusters, of a beautiful shade of shell-pink; hold their beauty for a long time; fading to a deep rose, and very fragrant. A splendid climber, of vigorous growth and hardy nature.

**Crimson Rambler**—This Rose is extremely hardy and of vigorous growth. It flowers in clusters forming a mass of vivid crimson beauty.

**Flower of Fairfield**—Another of the same type as the preceding variety, but producing bright crimson flowers in clusters with a white center in each bloom. It is a perpetual summer bloomer and very hardy.

## CLIMBING ROSES—Cont.

**X Prairie Queen**—Introduced in 1843 this is still a standard favorite. It bears rich rosy-red compact, globular flowers in great profusion, is very hardy, and a strong grower.

**X Lady Gay**—Buds of a deep pink, changing to cherry-red, the open flower finally changing to a creamy white. The blooms are produced in large trusses, and form a mass of beauty from the ground to the top of the vine. It is a perfectly hardy climber.

## Baby Ramblers

These Roses all are splendid plants for growing in pots for home decoration. Give them all the sun possible in the summer with good soil and drainage. They rarely grow over 20 inches in height, are continuously in bloom and as a class are very hardy.

**X Crimson Baby Rambler**—(Madam Norbert Levasseur)—A dwarf form of the Crimson Rambler, with the same ruby-red clusters of bloom. Always in flower through the entire summer, and if potted before frost will continue through the winter in the home.

**X Pink Baby Rambler**—(Phyllis)—A bright carmine-pink of very bushy habit producing beautiful panicles of bloom the whole summer. Unequaled as a decorative pot plant at any season.

**X Mlle. Cecile Brunner**—Often called the Fairy, or Sweetheart Rose. Produces graceful sprays of perfectly formed small flowers, very double, of a soft rosy-pink, on a rich creamy-white background. A splendid variety for cut flowers.

**George Elger**—Also known as the yellow Mlle. Cecile Brunner. The color of the bloom is a dainty coppery golden-yellow, opening to a clear deep yellow; borne in large corymbs. A very erect habit of growth, with dark green foliage.

## Austrian, or Briar Roses

**Harrison Yellow**—A fine hardy Rose of double free flowering proclivities. The Austrian or Briar Rose type as a rule do not require much pruning, only to remove the dead and superfluous wood. They are extremely hardy. Each.....\$1.00

**Persian Yellow**—A large and very fine single Rose, deep golden yellow, very hardy and very floriferous.

Each .....\$1.00



Persian Yellow.

## Prices on Roses



From a Photograph of Our 3-inch Pot Roses.

### Our Smallest Size

Planted early, with ordinary care, these will bloom the first season.

From 3-inch pots (see adjoining cut):  
Each, 25c; postpaid.....30c  
From 3-inch pots, per doz., \$2.50; postpaid, \$3.00

### THE FAVORITE SIZE

#### FROM 4-INCH POTS

CAN NOT BE TOO HIGHLY RECOMMENDED FOR GENERAL OUTDOOR PLANTING.

From 4-inch pots, each, 50c; postpaid.....65c  
From 4-inch pots, per doz., \$5.00; postpaid.....\$5.50

#### LARGE AND SPECIMEN ROSE PLANTS.

In the foregoing list of Roses the varieties which are prefixed X can be supplied in a ONE DOLLAR SIZE. These are magnificent plants, and will produce excellent results.

When SELECT SPECIMEN ROSES are desired, especially where the choice is left to us, we can usually supply SPLENDID SPECIMEN PLANTS at from \$1.50 to \$2.00 each. These larger plants can not be too highly recommended.

If you want more Roses—you must plant more Roses.

Roses for outdoor planting will not be shipped until after all apparent danger from frost is past.

Musselshell, Mont., June 9, 1919.  
State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—We have received the plants ordered from you and we are very much pleased with them. They were in perfect condition, not even a leaf broken. Thank you for same, and we are enclosing another order for more.

Mrs. W. C. Grant.

Simms, Mont., April 10, 1919.  
State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—The plants I ordered from you came in good condition, and were stronger and better plants than I expected. I am enclosing another order. Thanking you,

I remain  
Mrs. J. Stansell.

## The Care of Roses

### SITUATION.

Best results can be obtained by planting Roses where they receive the full benefit of the sun, and sheltered from the north winds. Under no conditions should they be planted where they are liable to come into contact with the roots of large trees and shrubs.

### SOIL.

Almost any ordinary good Montana soil is suitable for Roses. Cow manure is one of the best fertilizers to use.

### PLANTING—PREPARATION OF THE BED.

The bed should be prepared a short while before planting, so as to let the soil settle. The depth of the bed depends on the size of the plant, usually about one foot. Fill this with the soil and manure, being careful to provide for proper drainage. On receiving the plants, if in a dormant state, the tips of the roots should be cut off about half an inch or more.

If the plants are from pots, they should be set so that the ball of earth is about one inch below the level of the ground, and the soil around them made very firm.

Great care should be taken to see that the roots of field grown Roses are evenly distributed, as upon this detail quantity and quality of blooms will depend. A thorough soaking of water should then be given.

### WINTER PROTECTION.

Almost all the roses (the Hardy Yellow varieties are some of the exceptions), should be protected during winter. For this purpose we use long clean straw, bending the rose bushes to the ground and covering the straw over them to a thickness of about six inches.

Another good plan is to use a heavy sheaf of straw tied close at the top and the rose bush tied in the center of the sheaf. This is a good method in places where water or melted snow is apt to drain to the plants. With this method it is also beneficial to draw the earth to the stem of the plant before covering with the straw.

### PRUNING.

Immediately the first killing frost cuts back the young growth in the fall, prune back the frozen wood into well ripened wood. This is important, and will often insure the life of tender Roses in severe winters. As soon as the plants show the first sign of activity in the spring, then give them the principal pruning of the year, beginning with the H. P. class. Climbing Roses need very little pruning, except to remove dead and superfluous wood, and to make long canes conform to some desired effect.

### INSECT PESTS.

Should any insect pest like Green Fly or Aphis attack your Roses, it may be easily controlled by an occasional spraying with Black Leaf 40, or some other nicotine preparation. For these, refer to list of Insecticides, on last pages of this catalog.

## HARDY PERENNIALS

THE STATE NURSERY AND SEED CO. are the largest growers of these plants in the Northwest. Our collection is today the largest and best in this section, and we are continually adding to the list. With no other class of plant is it possible to have as continuous a display of bloom and beauty with as little effort, from the early spring to frosts of fall, as with Hardy Perennials. A bed or border of these plants, properly selected and arranged, will produce a wealth of bloom almost from snow to snow. In the climate of Montana, there is no question but that they are the best class of plants for those who desire a profusion of bloom for the garden, with the least expenditure of effort. Give them any ordinary good soil, enriched with well decomposed fertilizer, and occasional watering through the summer. As soon as the first killing frosts have killed the growth, remove the dead tops and if convenient cover the bed with a mulch of dry leaves, or straw, though this is not absolutely necessary. A good mulch of well rotted fertilizer in the early spring, and spaded lightly into the border will also aid in giving them the necessary stimulus to bring out their best effort for your pleasure.

### ACHILLEA.

#### (Yarrow)

**Perry's White**—A late introduction, with the largest flowers of the genus. Very free flowering and very hardy. 2 feet.

**The Pearl**—A well known form of this flower, with handsome double flowers, blooming very early, and with good keeping qualities when cut. 2 feet.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75

### ALYSSUM SAXATILE—(Gold Tuft.)

One of the most useful plants either for rockery or border. Produces large flat heads of yellow flowers in May and June. One foot.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75



A Bed of Achillea.

### ANCHUSA ITALICA.

**Dropmore Variety**—Very free flowering plants of a branching habit, with flowers of a gentian blue, and very attractive. Almost continuous bloomer in this section after June. 3 feet.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75

### AQUILEGGIA—(Columbine.)

One of the most satisfactory of hardy perennial plants, producing beautiful spurred flowers on stiff stems. Should be given a sunny position, but succeeds in almost any soil or location.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75

(See Next Page for Varieties.)

**Aquilegia.**

**Canadensis** (Common American Columbine)—The native bright red and yellow variety.  
**Chrysanthia** (Golden Columbine)—Bright yellow, long spurred flowers.  
**Coerulea** (Rocky Mountain Columbine)—Bright blue and white, long spurred flowers.  
**Helena**—A new hybrid with large blue flowers and expanded pure white corolla.  
**Nivea Grandiflora**—Fine pure white.  
**Veitch's Long Spurred Hybrids**—Mixed colors.  
 Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75

**ARABIS ALPINA**—(Rock Cress.)

A very early flowering carpet-like plant valuable for rockery and edging. It forms a dense carpet, and is literally covered with white flowers.  
 Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75

**Cerastium Tomentosum**—(Snow in Summer.)—A very desirable plant for covering as with a white carpet dry, sunny places. Low growing with white foliage and flowers. Very fine for planting on graves.  
 Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75

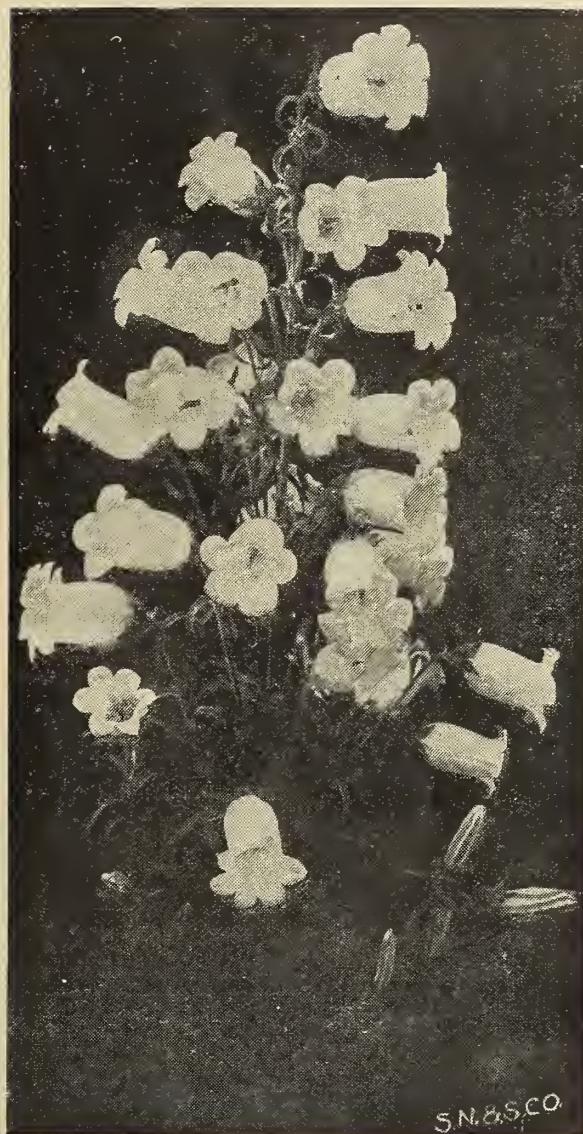


A Bed of Cerastium.

**BLEEDING HEART**—(See *Dielytra*, Page 29.)**BOLTONIA**—(False Chamomile.)

Among the most showy of our hardy perennial plants, with large single flowers, resembling a single Aster, and borne in great profusion. Three to four feet.

**B. Asteroides**—Pure white.  
**B. Latisquama**—Pink tinged lavender.  
 Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75

**COLUMBINE**—(See *Aquilegia*.)**Campanula Media**—(Canterbury Bells.)**CAMPANULA**.

Do best in a good rich soil and planted in a half shady place. They are indispensable as border plants. The taller varieties should be staked and all the flowers cut immediately upon fading.

**Media**—Single in colors of dark blue, white, light blue and rose.  
**Calycanthema** (Cup and Saucer Canterbury Bells)—They differ from most of the varieties in that the calyx is the same color as the flower, giving it the appearance of the cup and saucer. We offer them in the following shades: Delicate rosy pink, Clear-blue, dark blue and pure white.

**Pyramidalis** (The Chimney Bell Flower)—Blue salver-shaped flowers.

Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75

**CANDYTUFT, HARDY**—(See *Iberis*, Page 30.)**COREOPSIS**.

**Lanceolata Grandiflora**—A popular plant everywhere. It bears golden yellow blooms in great profusion, valuable for cut flowers, and lasting well into fall. Two feet.

Each, 15c; postpaid..... 20c  
 Per doz., \$1.50; postpaid..... \$1.75



CHRYSANTHEMUM MAXIMUM.

The profusion of bloom when the rest of the garden is destroyed by frost keeps them well to the front as a favorite.

**Chrysanthemum Maximum**—The old variety daisy and does exceptionally well in Montana.

**Maximum King Edward VII.**—A splendid daisy. Beautiful for cut blooms, two to two and a half feet high.

**Maximum, The Speaker**—Another fine variety—the cut blooms last a long time.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75



Delphinium—(Larkspur.)

A splendid perennial plant with its wonderful shades of blue. They are easily grown, but only well rotted fertilizer must be used to get the best results. Bonemeal worked into the soil around the roots is very beneficial. By cutting off the flower stalks as soon as the blooms mature and begin to fade a second and often a third crop of blooms will be secured.

**Bella Dona**—Turquoise blue.

**Formosum**—The old standard blue.

**Fine Mixed Hybrids, in shades of blue and lavender.**

Each, 25c; postpaid.....	30c
Dozen, \$2.50; postpaid.....	\$3.00



Shasta Daisy.

**Shasta Daisy—“Alaska”**—(Burbank's Improved.) Something new in Shastas, and very fine.

**Shasta Daisy—“Market Favorite”**—This comparatively new type of the Shasta Daisy has leaped into popular favor, especially when grown for cut flowers. In this field it has no equal.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75

DELPHINIUM—(Larkspur.)

These magnificent flowers are easily one of the very finest Hardy Perennials for the Northwest. The long graceful spikes of bloom are very valuable for cutting, and many of them harmonize wonderfully with other cut flowers.



DIANTHUS BARBATUS—(Sweet William.)

One of the most popular of outdoor bedding plants, throwing strong stems of brilliantly colored blossoms. During the period of their blooming the foliage is completely hidden by masses of attractive blossoms.

**Latifolious Atracoccineus**—(Everblooming Hybrid Sweet William.) A beautiful summer bedding variety, producing masses of brilliant, fiery crimson flowers throughout the entire season.

Each, 15c; postpaid.....	20c
Per doz., \$1.50; postpaid.....	\$1.75

**SWEET WILLIAM—Cont.**

**Holborn Glory**—This is a large flowered selection of the auricula-eyed section, the most beautiful and admired of all Sweet Williams.

The Standard varieties are old time favorites in colors of **Scarlet, Crimson, Violet, Red, White, Pink.**

Each, 15c; postpaid..... 20c Per doz., \$1.50; postpaid.... \$1.75

**DORONICUM EXCELSIUM—(Leopard's Bane.)**

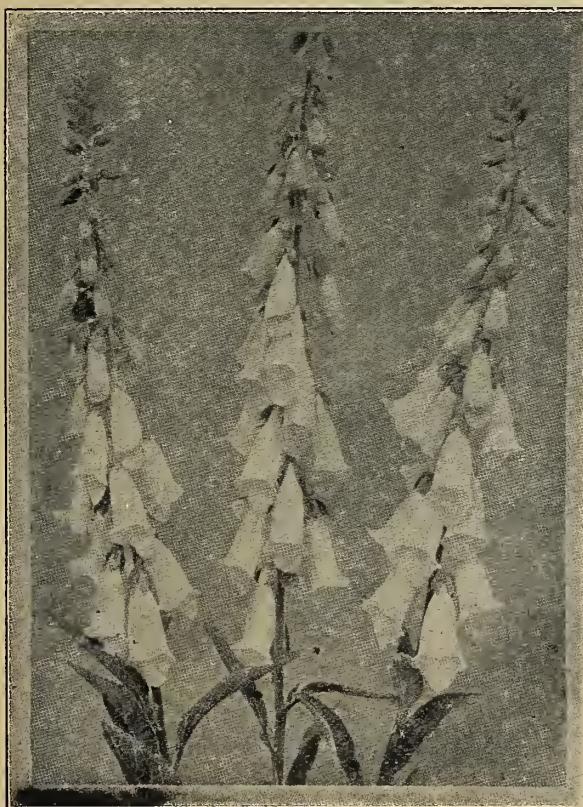
Splendid for cut flowers, having a good long stem, and will last a long time in water; will thrive almost anywhere. Pretty orange yellow. Very early.

Each, 15c; postpaid..... 20c Per doz., \$1.50; postpaid... \$1.75

**DIELYTRA—(Bleeding Heart.)**

**Dielytra Spectabilis—(Bleeding Heart)**—A very old favorite and increasingly planted. Can be planted in almost any part of the garden and stands out prominently. Especially serviceable for planting in the shade.

Each, 25c; postpaid..... 40c

**DIGITALIS—(Foxglove.)**

While in bloom these dignified and stately stalks, with their luxuriant foliage, seem to dominate the whole garden.

**Gloxiniaeflora**—A beautiful strain of finely-spotted varieties in colors of beautiful white, purple, rose and lilac.

**Grandiflora**—Showy flowers of pale yellow, veined brown, spotted varieties.

Each, 15c; postpaid..... 20c Per doz., \$1.50; postpaid.... \$1.75

**GAILLARDIA—(Blanket Flower.)**

One of the most beautiful of perennial plants and most popular for cutting. The center of the blossom is a dark reddish brown with beautiful markings of brilliant crimson, orange and vermillion, and occasionally a combination of all in the one flower.

**Gaillardia Grandiflora**—A refined and attractive flower of a beautiful yellow and orange color; sometimes marked with a maroon shade.

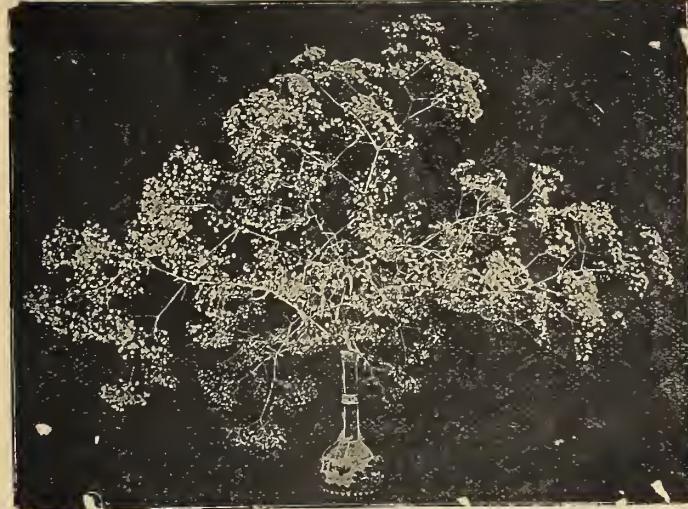
Each, 15c; postpaid, 20c; Doz., \$1.50; postpaid, \$1.75

**Glechoma Hederacea Variegata—Variegated Ground Ivy.** A most useful variegated creeper for borders or for covering graves.

Also makes a pretty hanging basket plant. This plant will not

withstand out winters without protection.

Each, 15c; postpaid, 20c; Doz., \$1.50; postpaid, \$1.75

**GYPSOPHILA—(Baby's Breath.)**

The Gypsophilas with their attractively arranged masses of minute flowers should be in every garden. If cut and dried will retain its beauty for months, providing decorative material of the very best.

**Paniculata**—The popular old-time Gypsophila, much admired for its feathery appearance.

Each, 15c; postpaid, 20c; Doz., \$1.50; postpaid, \$1.75

**HELENIUM—(Sneeze Wort.)**

**H. Autumnale Superbum**—One of the ideal hardy perennials for the border, bearing numberless small yellow flowers on a sturdy bush-like plant, 5 feet.

**Riverton Beauty**—Striking colored blooms, lemon yellow and purplish black.

**Riverton Gem**—Old Gold, changing to wallflower red.

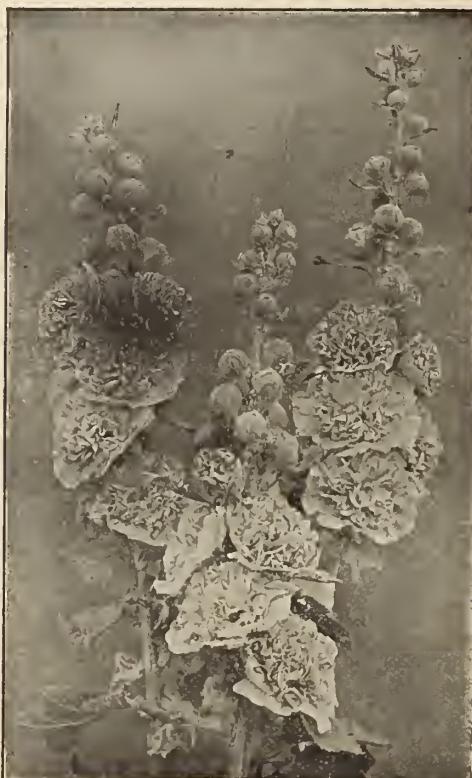
Each, 15c; postpaid..... 20c Per doz., \$1.50; postpaid.... \$1.75

**HELIOPSIS—(Orange Sunflower.)**

A valuable addition to the hardy border, for cut flower purposes, blooming earlier than the sunflowers, and rarely exceeding three feet.

**H. Pitcheriana**—Flowers about two inches in diameter, double, of a deep golden yellow. Continues in bloom the entire summer. A splendid cut flower.

Each, 15c; postpaid..... 20c Per doz., \$1.50; postpaid... \$1.75



Hollyhocks.

## HOLLYHOCKS

Our careful and scientific selection has resulted in the production of an unequaled strain of this magnificent plant in the best shades of color known, with colossal spikes of bloom, lasting and blooming until frosts put a check on their wonderful vitality and growth. Used as individuals well back in the hardy border, or dotted here and there amongst a bed of hardy shrubs, which they brighten with their brilliant spikes of gorgeous color after the shrubs are through flowering for the season, or as a hedge at the rear of a bed of hardy perennials, they cannot be surpassed. The strain we offer must be seen to be appreciated, with flowers whose petals seem as if made of the finest China silk. Give them a well fertilized soil with well rotted manure, deeply spaded, sufficient drainage, a plentiful supply of water in the growing season, and success is assured in any location. Their enormous sale every season proves their popularity.

**DOUBLE WHITE**  
**DOUBLE DEEP ROSE**  
**DOUBLE CRIMSON**  
**DOUBLE MAROON**

**DOUBLE PINK**  
**DOUBLE BLOOD RED**  
**DOUBLE SALMON**  
**DOUBLE YELLOW**

Each, 25c; (Postpaid) ..... 30c  
 Dozen, \$2.50; (Postpaid) ..... \$3.00

### IBERIS (Hardy Candytuft)

A most desirable hardy dwarf evergreen plant, flowering very early in the spring, and literally covering the foliage with dense heads of bloom. Ten inches.  
**Iberis Semperflorens**—Pure white, innumerable flat heads of bloom.

Each, 15c; postpaid ..... 20c  
 Per doz, \$1.50; postpaid ..... \$1.75

## IRIS (Fleur-de-Lys)



IRIS.

We are the most extensive growers of Iris in the Northwest, and our collection embraces only the finest varieties of the type known. Extremely valuable as cut flowers, the only rivals of the Orchids in beauty and wealth of delicate coloring, the varieties we offer would hardly be recognized as the scientifically developed descendants of the old time 'yellow and purple flag.' They are of easy culture, extremely hardy, and will succeed anywhere. "S" indicates the "Standards" or upper petals, and "F" the "Falls" or lower petals.

**Black Prince**—(Kochii)—(S) Purple Lilac; (F) rich velvety black. **Celeste**—(S & F)—Azure blue. Thirty inches.

**Chalcedonica**—(S) Light mauve; (F) Purple. Thirty inches.

**Crimson King**—(S & F) Rich crimson purple. Twenty-eight inches.

**Florentina Alba**—(S & F) Creamy white flushed with lavender.

Very fragrant.

**Khedive**—(S & F) Beautiful soft lavender. Thirty inches.

**Madame Chereau**—(S & F) White, edge of petals frilled with blue.

**Plumeri**—(S) Coppery rose; (F) Velvety claret. Tall.

**Purple Queen**—(S & F) Large deep purple. Very early.

**Queen of May**—(S & F) Soft lilac or lavender pink. The nearest pink in Iris. Very beautiful.

Any of the above varieties, 15c each; postpaid 20c.

The collection—No. 1, of the above ten varieties—one of each—for \$1.25; postpaid, \$1.65.

**Darius**—(S) Rich canary yellow; (F) Lilac Margined with white. Twenty-four inches. Very choice.

**Gypsy Queen**—(S) Old Gold shaded with pearl; (F) Black maroon, reticulated with light yellow. Late, twenty-four inches.

**Her Majesty**—(S) Lovely rose-pink; (F) Bright crimson, tinted with a brighter shade. A most beautiful variety.

**Lady Jane**—(S) Coppery rose; (F) Madder red, netted with white, a rare color in Iris.

**Pallida Dalmatica**—(S) Lavender; (F) Clear deep lavender. Flowers extra large and fine, one of the best.

Any of the above five varieties, 25c each, postpaid 30c.

The collection No. 2 of the five varieties—one of each—\$1.00; postpaid, \$1.25.

### NEW AND SCARCE VARIETIES.

**Caterina**—(S) A beautiful clear light blue; (F) Lilac blue. Tall, with branching stems. Forty-eight inches, a new variety and very scarce. Each \$1.00; postpaid \$1.10.

**Dr. Bernice**—(S) Coppery bronze; (F) Rich velvety crimson. Very large blooms and very beautiful. Scarce. Each 50c; postpaid 60c.

**Iris King**—(True)—(S) Coppery yellow; (F) Crimson bordered with yellow. A very large flower and very scarce. Twenty-four inches. Each, 75c; postpaid, 85c.

**LARKSPUR**—(See *Delphinium*, Page 28.)

**LAVENDULA—(Lavender.)**

Who does not know the delicious fragrance of Lavender—rarely equaled and never surpassed by the best perfumes. Grows about 18 inches high, and bears a wealth of blue flowers in summer.

**L. Vera**—The true sweet lavender of our grandmothers' day, and wonderfully fragrant.

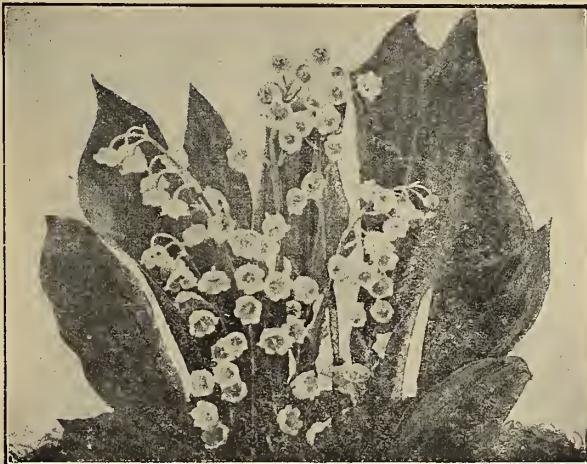
Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

**HARDY LILIES.****Hemerocallis Fulva.****HEMEROCALLIS.**

The Hemerocallis—or as they are often called, Day Lilies—are perfectly hardy and one of the most easily grown and showy perennials.

**Hemerocallis Fulva—(Tawney Day Lily)**—This variety grows from 4 to 5 feet high, bearing profusely trumpet shaped flowers of a neutral orange color, with darker shadings. Blooms in June and July.

Each, 25c, 50c; postpaid ..... 35c, 60c

**Lily of the Valley.****LILY OF THE VALLEY—(Convallaria Majalis.)**

Do not put this beautiful flower in some corner and leave it to literally starve. Give it a liberal mulch of well rotted fertilizer as early in the spring as possible, and note the wonderful beauty with which it will repay you for the attention.

**Lily of the Valley**—Roots (or pips) of this great favorite.  
Each ..... 5c; doz., 50c  
Each (Postpaid) ..... 10c; doz., 60c

**Tiger Lily**—Very large flowers, orange and black. Very floriferous, perfectly hardy, and should be in every garden.  
Each, 25c; (Postpaid) ..... 30c  
Dozen, \$2.50; (Postpaid) ..... \$2.75

**Madonna Lily.**

**Candidum (Madonna, St. Joseph's or Annunciation Lily)**—Large white flowers, fragrant, and perfectly hardy.

Bulbs, each ..... 35c; doz., \$3.50  
Bulbs, each (Postpaid) ..... 45c; doz., \$3.75

**LYCHNIS CHALCEDONICA (Ragged Robin.)**

**Chalcedonica**—Brilliant scarlet flowers in June and July.

**Salmon Queen**—A new variety with large salmon colored flowers.

The best.  
Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75



Pentstemon.

**PENTSTEMON.**

A most useful and showy perennial, either for mass planting, the rockery or border work. In some respects they rival Phlox. Petunias, etc., especially for bedding purposes.

**Barbatus Torreyi**—Scarlet spikes, height 3 feet.  
**Pubescens**—Rosy purple.  
**Digitalis**—Purple and white.  
 Each, 15c; postpaid ..... 20c  
 Per doz. \$1.50;  
 Postpaid ..... \$1.75

**PHYSOSTEGIA (Virginia Heather)**

One of the most beautiful of the Hardy Perennials forming dense clumps four to five feet high, with long spikes of tubular pink flowers like a gigantic Heather, and very valuable for cut flowers.  
 Each, 15c; Postpaid ..... 20c  
 Per doz. \$1.50;  
 Postpaid ..... \$1.75

**De Miribel**—White suffused with rosy scarlet; crimson eye.  
**Bouquet de Fleurs**—White, with a cherry eye.

**Miss Lingard**—A grand early dwarf white variety.  
**Drago**—Light red with dark eye.  
**Elegantissima**—A large flowered early white.

**Verdi**—A beautiful rosy-pink.  
 Each, 15c; postpaid ..... 20c Per doz. \$1.50; postpaid ..... \$1.75

**PYRETHRUM.**

Pyrethrum—Golden Ball.

**PYRETHRUM.**

Too much cannot be said about this superb perennial, which will thrive under almost any conditions. Splendid for cutting, lasting a week in good condition.

**Hybridum, Mixed (Single)**—In the choicest shades of red and pink, June flowering.

**Uliginosum**—Grows 4 to 5 feet high, covered with large Marigold-like flowers. The individual flowers are often 4 to 5 inches across and borne on a good stiff stem.

**Golden Ball**—A beautiful dwarf yellow type of this valuable perennial. Ten to twelve inches.

Each, 15c; postpaid ..... 20c Per doz. \$1.50; postpaid ..... \$1.75

**HARDY PINKS.**

Hardy Phlox.

**PHLOX—(Hardy.)**

This is another hardy perennial in which we are specializing, and no better collection can be found in the entire Northwest than those offered. They will succeed in almost any soil and location, yet no class of hardy plants will better repay a little attention. Give them well spaded and enriched soil, with a good mulching of fertilizer in the early spring frequent waterings in the growing season, and they will produce enormous heads of brilliant bloom. Treated in this manner, and they will be one of the chief attractions of any hardy border.

**F. G. Von Lassburg**—The purest and largest white known.

**Geo. A. Strohlein**—Bright scarlet with crimson red eye.

**Edmund Rostand**—Reddish violet, shading brighter toward the center of petals.

**Siebold**—Bright scarlet and one of the very best of its class.

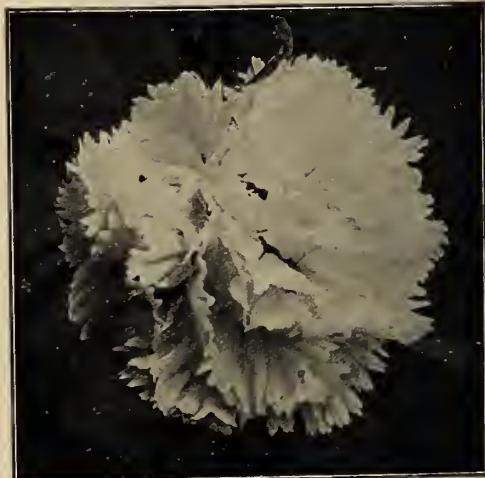
**Vesuvius**—Red with bright purple eye. Quite showy.

**Von Hochberg**—The finest crimson.

**Elizabeth Campbell**—Very bright salmon pink with dark red eye.

**Pantheon**—Bright carmine rose.

**R. P. Struthers**—Bright rosy carmine, with claret red eye.

**PINKS—(Hardy.)**

These are the old time Spice or Clove Pinks, and are indispensable for edging the hardy border, and also make beautiful independent beds. Their fragrance is delightful, are a most excellent cut flower, and will grow and succeed anywhere.

**Homer**—Rosy red with dark center.

**Her Majesty**—Large pure white flowers. Very fine.

**Juliette**—White laced crimson.

**Stanislaus**—Rose with crimson ring.

**Swan**—An everblooming white.

Each, 15c; postpaid ..... 20c Per doz. \$1.50; postpaid.

## POPPIES.



ORIENTAL POPPY.

The Perennial Poppies with their rich and brilliant colors make a dazzling effect during the summer months, and whether planted singly or in masses their large flowers and freedom of bloom render them conspicuous in any position. They are of the easiest culture, almost any kind of soil suits them, but they do best in a deep rich loam. Give them water occasionally during dry weather and they will increase in size and floriferousness for several years.

**Oriental King**—Large size, rich crimson.

**Princess Victoria Louise**—Salmon pink.

**Goliath**—A large flowered bright scarlet of strong growth.

Each, 25c; postpaid ..... 30c  
Per doz., \$2.50; postpaid ..... \$2.75



Iceland Poppies.

**Iceland Poppies**—These plants give a profusion of cup-shaped flowers throughout the entire season and are very useful for cutting. Colors white, yellow and orange.

Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

## RUDBECKIA—(Golden Glow)

(See Colored Plate—Front Cover.)

**GOLDEN GLOW**—This most popular plant has received an additional impetus this past season by being adopted as the Official Flower of the City of Helena. The colored plate on the front cover of this issue, is from a photograph taken in the city, with Marguerite Hazel McClatchey (5 years) peeping through the bed of Golden Glow, in front of the home of M. Silverman, 412 N. Rodney St. It is most easily grown—perfectly hardy, and will succeed anywhere with but little care. Four to five feet. Each 35c; postpaid, 40c; per doz. \$3.50; postpaid \$4.00.

## SCABIOSA JAPONICA.

One of the handsomest of the hardy perennials, bearing on long wiry stems beautiful artistic lavender blue flowers. A fine cut flower. 18 to 24 inches.

Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

## STATICE—(Great Sea Lavender.)

**S. Latifolia**—A noble plant for hardy border. Produces clumps of leather-like leaves, with heads of bloom which frequently measure 24 inches across, covered with small blue flowers and lasting until frost. The flower sprays when cut and allowed to dry will keep in almost their fresh cut appearance for months.

Each, 25c; postpaid ..... 30c  
Per doz., \$2.50; postpaid ..... \$2.75

**SHEASTA DAISY**—See *Chrysanthemum Maximum*, Page 28.

**SWEET WILLIAM**—(See *Dianthus*, Pages 28-29.)



S.N. &amp; CO.

## SWEET ROCKET—(Hesperis.)

Strong growing perennials, forming bushy plants 3 to 4 feet high. Well known, and very valuable for cut flowers. Will succeed in almost any position.

Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

## VALERIANA OFFICINALIS—(Hardy Garden Heliotrope.)

A fine hardy plant, with very showy heads of rosy white flowers, produced in great numbers on stems about three feet high. heliotrope scented. A constant bloomer until frost.

Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

## VERONICA SPICATA.

This well known "Speedwell" is one of the best of the genus, bearing long spikes of blue flowers from July until the early frosts. One to two feet.

Each, 15c; postpaid ..... 20c  
Per doz., \$1.50; postpaid ..... \$1.75

## VINCA (or Periwinkle.)

**Minor**—Also known as Trailing Myrtle. This pretty evergreen is extensively used for covering graves, producing in the spring an abundance of blue flowers.

Each, 50c; postpaid ..... 65c

**V. Minor Argentea Variegata**—This new introduction is of the same habit as *V. Minor*, equally as hardy, but has beautifully silver edged foliage. A most valuable acquisition.

Each, 50c; postpaid ..... 65c

# PEONIES



These old-time favorites are more than ever claiming the front rank of popularity. The new varieties introduced in recent years with their great variety of exquisite colors and such perfect flowers possess a striking individuality, and planted singly or in groups produce a gorgeous effect. Their only requirements are a good rich soil and a sunny position, which however, is not absolutely necessary as they thrive almost equally well in a partly shaded position. A liberal supply of water during the growing season being sufficient to give an abundance and wealth of flowers, producing a gorgeous effect not equalled by any other flower.

#### PEONIA OFFICINALIS.

This is the old-fashioned Peony and comes into bloom from ten days to two weeks ahead of the other sorts. All are strong growers, with full fragrant flowers.

**Officinalis Rosea**—Double rose.

**Officinalis Rubra**—Double blood red.

**Officinalis Mutabilis**—Pink changing to white.

#### NEWER VARIETIES.

**Baron Rothschild**—Deep rose, mid-season. Long stem.

**Edulis Superbus**—Dark rose with light rose center.

**Eugene Verdier**—Pink, very full flower.

**Felix Crousse**—Brilliant red.

**Ne Plus Ultra**—Dark rose, very large.

**Queen Victoria**—Creamy white, early.

**Humei**—Deep rose, large fragrant flower.

**Rosea Magna**—Dark pink, lilac center.

**Comata**—Very dark red.

**Festiva Maxima**—Creamy white with carmine center.

**Lady Bramwell**—Silvery rose.

Each, (according to size) ..... 75c, \$1.00, \$2.00  
Each (Postpaid) ..... 85c, \$1.25, \$2.25

# Hardy Shrubs

Both evergreen and deciduous shrubs are an indispensable part of a well balanced garden. The varieties listed have been proven hardy in this climate, and we are constantly adding to the list, as fast as we determine the hardiness of desirable varieties. Those listed as half-hardy can be grown in this climate successfully with a protection of straw during the winter, the treatment required being the same as described for the winter protection of Roses, on page 26. Not only are hardy shrubs desirable as borders, but very many of them make beautiful specimen plants for the decoration of any lawn, and they are unusually attractive for cemetery planting. A thorough spading of the soil with the addition of well rotted stable manure before planting, and an occasional light cultivation of the surface to keep down weeds, water if in a dry location during the growing season, and a mulch of manure or a light top dressing of bone meal in the fall, are all the requirements that are needed to secure good results. For pruning, very little is required. Shrubs that bloom early in the season should be trimmed immediately after the blooming period is over. Shrubs that bloom late in the season, or fall, should be pruned early in the spring. All that is needed is to keep them trimmed to a symmetrical form, to remove all dead wood, and enough of the surplus wood to insure a good circulation of air and sunshine to all parts of the plant and border. We can usually supply large specimen plants of the varieties listed at a reasonable price. Write for special prices on your requirements in large quantities or specimen plants.

## PLANTING TREES AND SHRUBS

On receiving Trees unpack without delay, cover the roots with earth and water freely.

The roots should never be exposed to the air after wrapping is removed.

All bruised ends of roots should be trimmed.

When planting do not expose roots by taking more than one tree at a time.

All Trees should be planted about 2 inches deeper than they were at the nursery. (The mark at the base determines this depth.)

Soil should be firmly packed around the roots. This is an essential point.

Complete by well watering.

GUIDE TO PLANTING TREES, SHRUBS, ETC.		Trees to Acre
30 feet apart each way	.....	50
25 feet apart each way	.....	70
20 feet apart each way	.....	110
18 feet apart each way	.....	135
15 feet apart each way	.....	205
12 feet apart each way	.....	300
10 feet apart each way	.....	435
8 feet apart each way	.....	680
6 feet apart each way	.....	1210
5 feet apart each way	.....	1745
4 feet apart each way	.....	2725
3 feet apart each way	.....	4840

#### CORNUS—(Dogwood).

Our Native Dogwood is a very ornamental shrub and in rows it is an effective windbreak. White flowers followed by white berries.

Each, 50c; postpaid ..... 75c

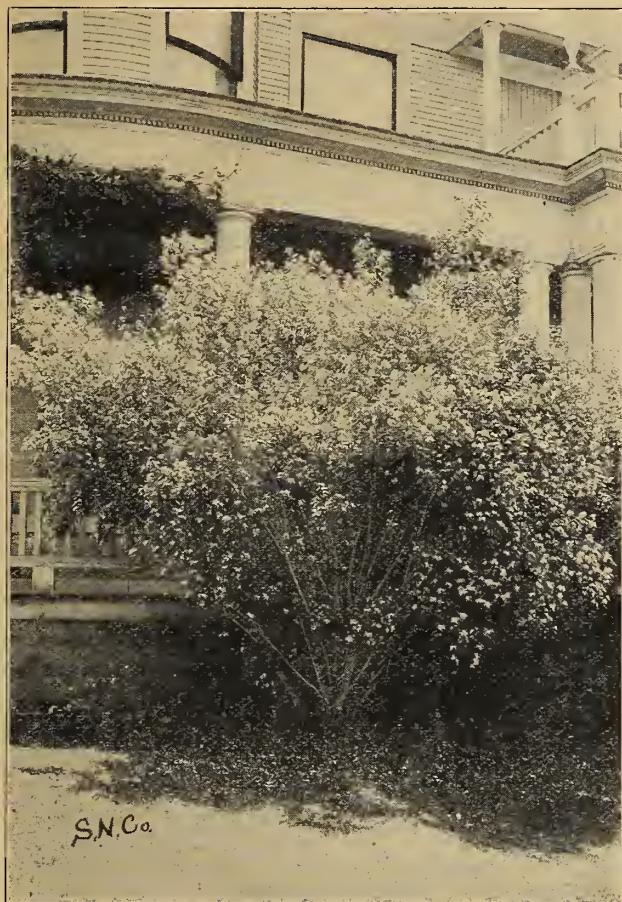
#### DEUTZIA GRACILLIS.

A handsome dwarf growing shrub, which actually covers itself with a mass of pure white blooms, borne in racemes, opening before the foliage has time to develop. One of the earliest shrubs to flower. Half-hardy, and requires protection in winter.

Each ..... 75c

#### ELDERBERRY—(See Sambucus, Page 36.)

## HONEYSUCKLE (Bush)



Russian Honeysuckle.

**Russian, Bush or Tartarian**—One of the best shrubs. Many people think it is a vine, but it is a distinct shrub as much as a Lilac is. If you have not seen this, we strongly recommend it to you. For planting against a wall or anything to be hidden it is unsurpassed. For hedges it is also of great service. During the Spring months it is entirely covered with white and pink blossoms. It rivals the Lilac in beauty and excels it in hardiness.

Each ..... 50c and \$1.00  
Large specimens ..... \$2.00

## LILACS

These shrubs have been planted for generations, but are as great a favorite today as ever. Our stock of Lilacs is complete and without rival in the northwest. The shrubs never looked better and the prices, compared with the quality and size of the bushes, are unequalled. Our selection includes all the standard varieties and the most recent introductions. The strong and hardy Lilacs sent out by us cannot be beaten. Our Lilacs are Montana grown and adapted to the northwest climate, especially the Purple, White and Persian varieties of the Bush types.

The Tree Lilac is one of the many improvements that have been made on the "old purple" and has permanently set the Lilac in the front rank as an ornamental shrub. The Tree Lilac was introduced in Montana by us ten years ago and has proven a decided success.

## TREE LILACS

Double Varieties.

**Alphonse Lavalee**—Blue shading to violet, large panicles.  
**Dr. Troyanowsky**—Mauve; enormous panicles.  
**Mme. Abel Chatney**—Superb, double white.  
**President Grevy**—Dwarf; pale lilac; very double.

Single Varieties.

**Charles X.**—Purplish red.  
**Colmariensis**—Large pale blue flowers, fine foliage.

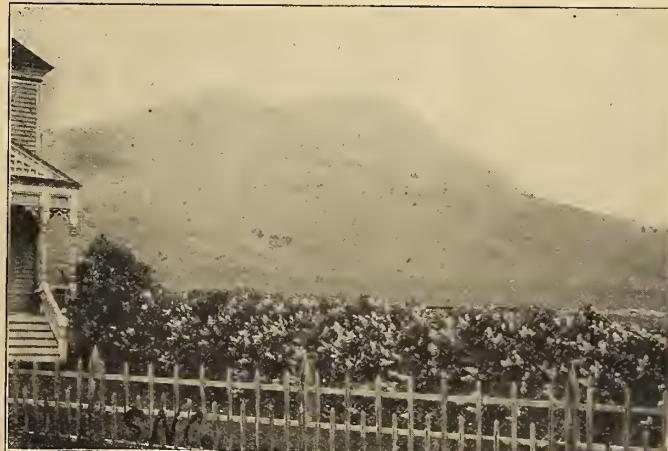
**Souvenir de Ludwig Spaeth**—Dark purplish red; large flowers.  
**Vivian-Morels**—Light bluish lilac white center; good all round variety.

**William Robinson**—Violet mauve; popular.

Each	\$1.50
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Tree Lilac



A Hedge of Lilacs.

**BUSH LILACS.**

**Purple**—One of the most popular and extensively planted.  
**White**—Flowers are a fragrant, beautiful white.

Each, either variety.....75c and \$1.00  
 Large blooming plants, each.....\$3.00 and \$5.00

These can not be too extensively planted in Montana, and are one of the very best shrubs anywhere.

Purple and white Lilacs make splendid hedge plants. Write for prices in quantity, stating number desired or length of hedge to be planted.

**Madame Lemoine**—Magnificent panicles of large double white blooms. (In tree form also.)

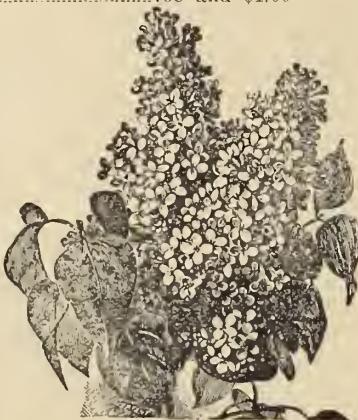
Each .....75c and \$1.00

**Persian**—This is quite distinct, with small foliage, graceful growth. Color the true lilac shade.

Each.....75c, \$1.00, \$2.00

**Lilac Rooted Cuttings**—We receive many inquiries for young plants suitable for the planting of hedges of these favorites, and are now prepared to offer well rooted cuttings of the Purple and White varieties for this purpose. These are the varieties that have proven the most hardy and adaptable for this use in this climate.

Per 100.....\$10.00



Purple Lilac.



Philadelphus.

**PHILADELPHUS.**

**Philadelphus**—(*Syringa* or *Mock Orange*)—A beautiful and well known flowering shrub; a native and therefore quite hardy; very rich fragrance.

Each .....50c and \$1.00  
 Postpaid .....75c and \$1.25

**OLEASTER—RUSSIAN OLIVE.****(*Elaeagnus* *Augustifolia*.)**

This is a decided acquisition to our hardy shrubs. The foliage is of a deep green on the upper side, and silvery white underneath, narrow and about three inches long. The flowers are yellow, very fragrant, and borne in great profusion in June. Its bushy habit will make it a favorite for hedge and screen purposes, as well as for ornamental specimen planting.

Each, 3 to 4 feet.....\$1.00

**SAMBUCUS**—(*Elderberry*.)

Very useful for a screen or windbreak.

Each, 50c; postpaid.....75c

**SIBERIAN PEA**—(*Caragana*.)

Notwithstanding recent introductions of similar shrubs this favorite holds its own. It bears yellow, pea-like blossoms during May and June, and is one of the best Hedge plants for Montana. Write us for prices on these for hedges, stating number desired or length of hedge to be planted.

Each, 75c; postpaid.....85c

**SNOWBERRY.**

One of its most valuable features is the succession of pure white berries immediately after the blooming is finished.

Each, 25c and 50c; postpaid.....35c and 60c



Snowball.

**SNOWBALL—(Viburnum.)**

Always a favorite, with its large globular, pure white flowers. Stands out conspicuously in any landscape work.

Each, 3 feet, 75c; 4 feet, \$1.00; postpaid, \$1.00 and \$1.25  
**V. Carlesii**—A new introduction from Korea, producing delicately spice-scented flowers in June. The unopened buds are a beautiful pink, opening to handsome white umbels of pure white resembling a huge Bouvardia, and lasting for weeks. A wonderful plant for the lawn or cemetery. Each.....\$1.50

Big Timber, Mont., April 23, 1919.

State Nursery & Seed Co.,  
 Helena, Mont.

Gentlemen:—We received our order yesterday and in fine condition. The plants sent are all very nice, and we are more than pleased with everything. Accept our thanks for the complimentary plant sent us.

Very truly yours,  
 Svend J. Manland.

1201 W. Porphy St., Butte, Mont., June 25, 1919.  
 State Nursery & Seed Co.,  
 Helena, Mont.

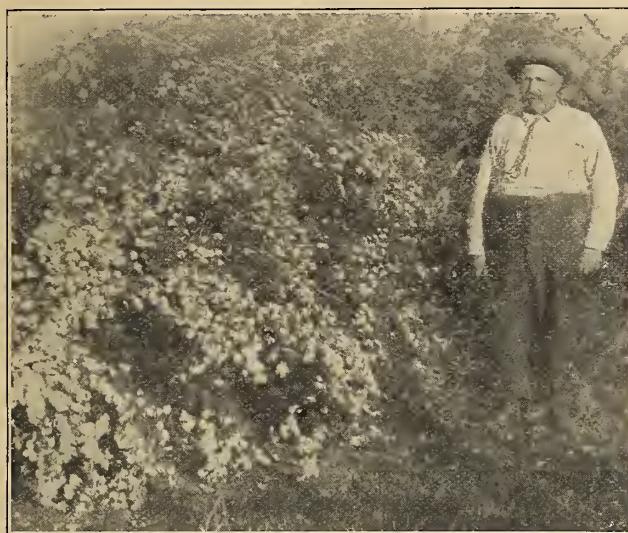
Gentlemen:—I want to thank you for the "Complimentary" you sent me with order #94549. Your flowers have always given me such perfect satisfaction and I recommend them at every opportunity. I am,

Respectfully yours,  
 Mrs. N. S. Wright.

Tampico, Mont., April 23, 1919.  
 State Nursery & Seed Co.,  
 Helena, Mont.

Gentlemen:—Just received order of shrubbery, Cherry trees, Raspberries and Currant bushes. They were magnificent and I was more than pleased with the condition they arrived in.

Yours truly,  
 J. E. Jones.



SPIREA—Van Houtti.

The above picture is a splendid showing of what Spirea Van Houtti will do in this section. This photograph was sent us by Mr. J. Briggs, one of Montana's prominent Horticulturists, (shown in the picture) taken on his place at Victor, Mont., in the spring of 1919, standing by a bush of Spirea purchased from us some time ago.

## SPIREAS

**Van Houtti (Bridal Wreath)**—The grandest of all the White Spireas; it is of compact habit and a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, almost completely covering the foliage.

Each, 50c; postpaid.....	75c
Each, 75c; postpaid.....	\$1.00
Each, \$1.50, large, by express only.	

**Sorbifolia (Ash Leaved Spirea)**—Beautiful foliage and white flowers.

Each, 50c; postpaid.....	75c
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**Prunifolia**—Another favorite variety. It produces long spikes of double blooms very freely, in May and June.

Each, 50c; postpaid.....	75c
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**Bumaldi**—A dwarf spreading variety, with dark foliage bearing corymbs of pink flowers early in the season, and continuing for a greater part of the summer.

Each, 50c; postpaid.....	75c
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## LANDSCAPE ARCHITECTURE.

To those desirous of beautifying their premises with tree and shrub planting, we tender our services in this important branch of the business. For small places, send us a sketch of the lot or lots with location of buildings, dimensions, location of entrances, roadways, etc., and exposure. We will cheerfully submit suggestions with estimate of cost of the trees, shrubs, etc. required.

We are also prepared to furnish full detail working blue prints for the smallest to the largest home grounds or city parks, with estimates on same for furnishing of the necessary trees, shrubs, etc., for same. Write us for particulars.

## Hardy Vines and Climbers



Clamatis Jackmanii in Helena.

## CLEMATIS

One of the most popular of all trailing vines, used for covering house fronts or drooping over retaining walls. When in bloom the dense sheets of blossoms, with their most pleasing fragrance, give a beauty indescribable. Their variety of size, coupled with a wealth of bloom, puts them in a unique position.

**Native**—We have propagated this beautiful vine in great quantity, believing that when it is better known it will be grown wherever a vine is needed. It ranks with the Virginia Creeper in worth and bears magnificent foliage and masses of sweet scented flowers.

Each, good strong roots.....	50c; postpaid, 70c
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**Henryii**—Large pure white flowers, which are freely produced during summer and early fall.

**Jackmanii**—This is the popular rich purple variety with large flowers, very hardy and free flowering.

**Madame Edouard Andre**—Red, very attractive.

Each, pot grown plants.....	\$1.25
Each, field grown plants.....	75c
Each, field grown plants (Postpaid).....	90c

## CHINESE MATRIMONY VINE.

This is a medium sized creeper or trailer, with foliage of a light grayish green. For about four months, these masses of foliage variegate from colors of pink to purple. In the fall its branches are covered with bright fruits.

Each, 50c; postpaid.....	60c
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## HOP ROOTS

For quickness in covering residences, fences, arbors, etc., the Hop Root leads. The peculiar shade of its foliage, extreme hardiness and quick growth makes it a very desirable vine.

Each .....	25c; doz., \$2.50
Each (Postpaid) .....	30c; doz., \$2.75

**NOTE**—Postpaid prices—where quoted—cover not only actual postage, but the cost of packing, etc., ready for shipment. These prices cannot be deviated from on mail (Parcel Post) shipments.

## VIRGINIA CREEPER



Virginia Creeper on Residence of Conrad Kohrs, Helena.

## VIRGINIA CREEPER

(*Ampelopsis Quinquefolia.*)

The well known Virginia Creeper is undoubtedly the very best and most hardy vine that has been introduced into this section. Everywhere that it has been planted it has succeeded wonderfully. It will make a beauty spot of any wall, and is of rapid growth. The foliage is of a rich deep green in the summer months, turning in the fall to the most brilliant crimson and gold imaginable. Our stocks of this vine are perhaps the finest in the country, and for general purposes it cannot be recommended too highly.

Each	75c and \$1.00
Postpaid	\$1.00 and \$1.25
Extra Large Plants	\$2.00 each
Extra Large Plants, postpaid	\$2.25 each

### SOLANUM—(German Bittersweet.)

A vine of rapid growth and climbing habit. Foliage is a beautiful dark green. In the summer it is covered with violet-purple blossoms and bright green fruits, which turn to a brilliant scarlet. Very hardy.

Each 35c; postpaid 50c

## Shade and Ornamental Trees

IMPORTANT TO TREE BUYERS.—In buying shade and fruit trees or other Nursery Stock from THE STATE NURSERY AND SEED CO., you are also getting free of charge the experience of THIRTY YEARS of production of these goods in Montana. This can not be offered you by any other house at any price.

State Nursery and Seed Co.'s trees are the best the Northwest can produce and the numerous unsolicited testimonials we receive bear out that fact. Our location is ideal, with soil, that gives all our trees the one essential requirement, a good strong fibrous root.

Our trees are being planted for packing not only by private persons but by many of the cities throughout the State. We cordially invite correspondence from City authorities on this subject.

Ideal packing is our specialty, the trees reaching you in practically the same condition as when they were dug. Trees are wrapped the full length in burlap and the roots covered with wet moss.

We guarantee all stock true to name, but can only replace trees that die at half price as we use every endeavor to send out only trees that are in perfect condition.

Write for special prices when wanted in large quantities.



American White Ash.

The best hard wood tree for Montana, being extremely hardy, and growing into a most beautifully formed head. (See cut.) We cannot recommend this tree too highly for this section, either for parking purposes or for planting as individual specimens. We call attention to the \$2.00 size—7 to 8 ft. high. The 7 to 8 foot tree is generally planted for street parkings and we invite correspondence from city authorities.

Each, 6 to 7 ft. high.....	\$1.50; doz., \$15.00
Each, 7 to 8 ft. high.....	\$2.00; doz., \$20.00
Each, 8 to 9 ft. high.....	\$2.50; doz., \$25.00
Specimen Trees, 10 to 15 ft.....	\$3.00 to \$5.00



Mountain Ash Berries.

**European Mountain Ash—Rowanberry**—One of the best of our ornamental trees, extremely hardy, with soft green pinnate foliage. Bears white blossoms in the spring, and red berries in the fall. An ornamental tree throughout the season.

Each, 6 to 8 feet.....\$1.50; doz., \$15.00



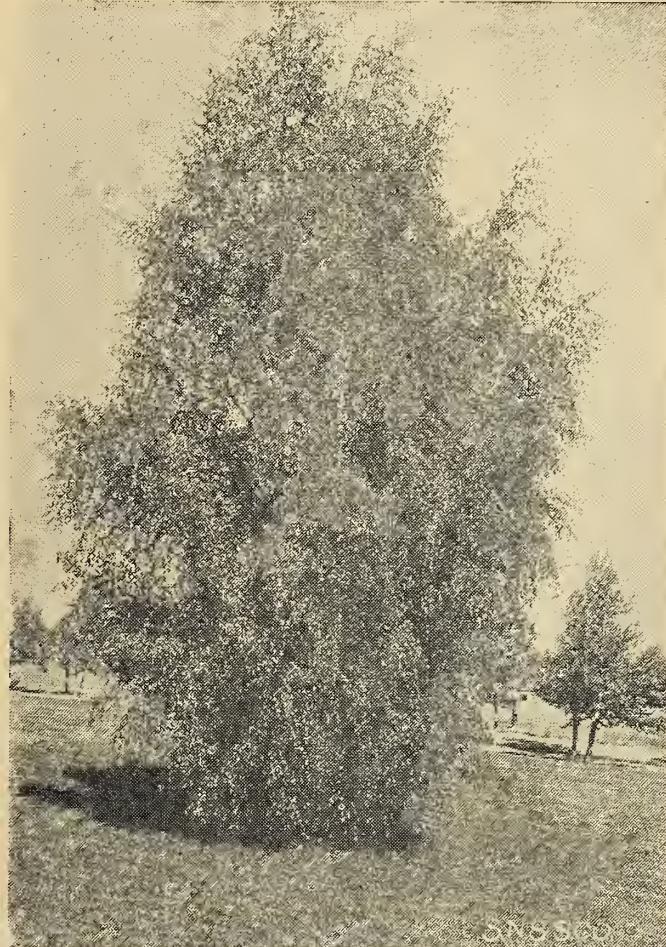
**Oak Leaved Mountain Ash**—Another beautiful tree, of pyramidal growth, with foliage resembling the Oak. A splendid specimen tree for lawns.

Each, 6 to 8 feet.....\$1.50; doz., \$15.00

#### BALM OF GILEAD.

Well matured trees; have the most exquisite dark and rich shades of foliage. This tree takes root easily and seems to thrive anywhere.

Each, 5 to 6 feet.....	75c; doz., \$7.50
Each, 6 to 8 feet.....	\$1.25; doz., \$12.50



Cut Leaved Birch.

#### BIRCH—(Cut Leaved Weeping.)

The picturesque beauty of its bark and the delicately cut foliage make it very popular. Unfortunately, this tree is one of the hardest trees to transplant known, and while we take every possible precaution to insure delivery in perfect condition, we cannot undertake to replace this tree for half price as stated on page 38. We are compelled to sell at purchaser's risk only. However, its great beauty and extreme hardiness when established, make it well worth a trial.

Each, 5 to 6 feet.....	\$2.00
Each 6 to 8 feet.....	\$2.50

#### BOX ELDER.

Often called the Ash Leaved Maple. Requires but moderately rich soil, and is of a vigorous growth. Has been so popularly planted that it needs no description.

Each, 6 to 8 feet.....\$1.00; doz., \$10.00

#### ELM.

The American Elm is a noble native American tree, attaining a large size, with wide spreading head and graceful drooping branches. It is one of the best park and street trees, and is superb when planted as a single specimen.

Each, 6 to 8 feet.....\$1.50; doz., \$15.00



NORWAY MAPLE.

The Maples are increasing in popularity owing to the profusion of foliage and majestic upright rapid growth.

**Norway Maple**—An excellent shade tree, the foliage in the fall assuming very striking tints of yellow.

Each, 6 to 8 feet.....\$1.25; per doz., \$12.50

## SOFT MAPLE.

It is one of the handsomest of the species, of very hardy nature, of easy culture, and rapid growth, forming well shaped trees, when given sufficient room to develop. Splendid stock.

Each, 6 to 8 feet.....\$1.25; per doz., \$12.50



A Block of Young Poplars.

## POPLARS.

These hardy trees thrive in almost any soil, and as a class are unequalled for this section. They are of rapid growth, and are used in increasing numbers every year in all parts of this state.

**Canada Poplar**—This is the hardiest variety of the family, and by far the best for this section. Whether it is desired for shade trees on a lawn—for city parkings—or to be grown as a specimen tree, its handsome foliage, symmetrical rapid growth readily distinguish it from any other tree. The stock we offer this season of this favorite is the best we have yet been able to offer our customers, and the large blocks of them in different stages of growth have attracted the attention of every visitor to the outdoor section of our Nursery.

**Norway Poplar**—Another good variety, grows to a very large size.

**Silver Leaved Poplar**—Under side of leaves are a beautiful silver grey, making it decidedly distinct from any of the other varieties.

**Lombardy Poplar**—This variety is a very rapid grower—very erect, forming living pillars of handsome green foliage. This peculiar habit combined with its hardy nature, make it the best variety for windbreaks, the tall green pillars rapidly reaching to a great height.

Each, 4 to 5 feet.....	50c; per doz., \$5.00
Each, 5 to 6 feet.....	75c; per doz., \$8.00
Each, 6 to 7 feet.....	\$1.00; per doz., \$10.00
Each, 8 feet.....	\$1.50; per doz., \$15.00
Each, 10 feet.....	\$2.50; per doz., \$25.00

SPECIAL—1 year Canada Poplar, 3 feet, \$15.00 per 100.



Windbreak of Russian Willows.

## WILLOWS.

One of the most hardy class of trees known. The cultivated varieties we offer are invaluable for the rigorous climate of Montana. They are of very rapid growth, and make fine attractive trees for any position.

**Golden Willow**—Golden colored growth, makes a handsome specimen tree anywhere, and hardy under all conditions.

Each, 4 to 5 feet.....	35c; doz., \$3.00
Each, 5 to 6 feet.....	75c; doz., \$7.50
Each, 8 feet.....	\$1.00; doz., \$10.00
Each, 10 feet.....	\$2.00; doz., \$20.00

SPECIAL—1 year Golden Willow, 3 feet, \$10.00 per 100.

**Laurel Willow**—The cultivated Pussy Willow. Not the wild pussy willow of our river bottoms, but a far superior type. Of very upright growth, forming a large, round head, with deep shining green foliage.

Each, 6 to 8 ft.....\$1.00 10 to 12 ft.....\$3.00

**Russian Willow**—A very strong growing tall variety, extremely valuable for windbreaks, very hardy and of very rapid growth and of great value also for specimen trees.

Each, 4 to 5 feet.....	35c; doz., \$3.00
Each, 5 to 6 feet.....	75c; doz., \$7.50
Each, 8 feet.....	\$1.50; doz., \$12.50

SPECIAL—Russian Willow, 1 year, 3 feet, \$10.00 per 100.

LARGE SPECIMENS of the Russian and Golden Willow, 12 to 15 feet can be supplied. Write for prices, stating number required.

## TREE CUTTINGS.

We sell quantities of Cuttings of the following varieties: Poplars, Willows, Balm of Gilead. These cuttings are about six inches long and in bundles of 100.

Per 100.....	\$1.50; per 1,000, \$10.00
Per 100, postpaid.....	\$1.75



S.N.&amp;SCO.

Colorado Blue Spruce.

**SPRUCE.**

The Spruce is by far the most popularly planted being thought by many the best of the evergreens. Its dense foliage and conical shape makes it very valuable for both ornamentation and windbreaks.

**Colorado Blue Spruce**—A rich blue foliage and very stiff pointed. This beautiful hardy spruce should be far more planted in this section. It is one of the most attractive evergreens that can be used for any purpose, being equally useful for combination with deciduous trees for windbreaks or for handsome specimen trees for the lawn or grounds.

Each, 3 feet.....\$10.00



Norway Spruce.

**Norway Spruce**—Very dark green, well formed and dense foliage. Each, \$3.00

**Douglas Spruce**—Foliage resembles that of Hemlock; of graceful habit. 2½ to 3 feet. Each, \$3.00  
Write for special prices on specimen trees. Our prices will be interesting.

**KOSTER'S BLUE SPRUCE.**

(*Picea Pungens Kosteriana*.)

This wonderfully decorative plant is quite hardy when planted out in the lawn to grow into a specimen decorative plant. When grown in a tub for decorative work on the porch, and for the house in winter, it is simply beautiful, and when too large, it can be transferred to the lawn for permanent ornamentation. The foliage is a bright silvery blue, of bushy habit.

See photograph of these beautiful trees in lawns of Hill Park, Helena, on page 99.

Each, 3 feet, Balled and Burlapped for shipment, \$10.00; per pair, \$17.50.

Each, 4 feet, Balled and Burlapped for shipment, \$15.00. Express only.

## Fruit Trees and Small Fruits

We are specialists in Fruit Trees for the private individual and our stock is grown more especially for this class of trade. Our list is somewhat limited, because we offer only what we have proven to be adapted to the Montana climate. Montana is a cold state and it is useless as we have proved from experience—to expect varieties that do well in milder locations to stand our winters. If, however, you are desirous of getting something we do not list, let us know, and we will supply you, at the same time giving you our candid advice. All the trees listed here we can recommend for hardiness and good value, in the best of the standard varieties. Our experience of thirty years is offered to you in this catalog in its entirety, free of all charge, an invaluable aid to purchasers of Fruit and other trees.

### APPLES

Apples quoted this season, while good stock, are as you will note—quoted in two sizes, in some instances. These smaller trees, while not quite up to our ordinary high standard of size are really first-class stock. Owing to the effects of the war period and shortage of labor, it has been impossible to produce the quantity of the larger sizes that is demanded.



Duchess.

**Duchess of Oldenburg**—One of the hardiest and most productive of our large apples. Fruit streaked red. (Fall variety.)  
Each, 11/16 caliper and up, \$1.25; per doz., \$12.00  
Each, 1 year, 4 to 6 feet, \$1.00; per doz.....\$10.00

**Yellow Transparent**—Earliest and of splendid quality, and does well in any exposed situation. Fruit light yellow.  
Each, 11/16 caliper and up, \$1.25; per doz., \$12.00  
Each, 1 year, 4 to 6 feet, \$1.00; per dz.....\$10.00

**McIntosh Red**—Too well known to need description.  
Each, 11/16 caliper and up, \$1.25; per doz., \$12.00

**Wealthy**—Does well wherever grown—leading winter variety for Montana. Large red fruit.

Each 5 to 6 feet, \$1.25; per doz.....\$12.00



Wealthy Apple in Fruit.



Transcendent Crab.

## CRAB APPLES

**Transcendent**—Very productive; fruit yellow with red cheek. The variety generally used for jelly.

Each, 4 to 6 feet, 1 year.....\$1.25; doz., \$12.00

**Whitney**—Bears quantities of very large fruit. Good both for eating and cooking. Very hardy.

Each  $\frac{1}{2}$  in. caliper, well branched, \$1.00; doz., \$10.00.

**Red Siberian**—One of the hardiest and most prolific fruiting Crab Apples yet introduced.

Each, 4 to 6 feet.....\$1.25; doz., \$12.00

## CHERRIES

Cherries do very well in some parts of Montana, while in others they will not succeed. We advise our customers, where Cherries are not grown, to test a tree or two before attempting to plant on a large scale. This will lead to practical knowledge for the different localities, and prevent severe disappointment.

**Early Richmond**—A splendid variety in dark red.

Each.....\$1.50; doz., \$15.00



Rocky Mountain Cherry.

**Rocky Mountain**—Grows to a height of four feet and its load of white blossoms in spring is followed by quantities of black fruit that ripens late. A distinct bush.

Each.....\$1.00; doz., \$10.00

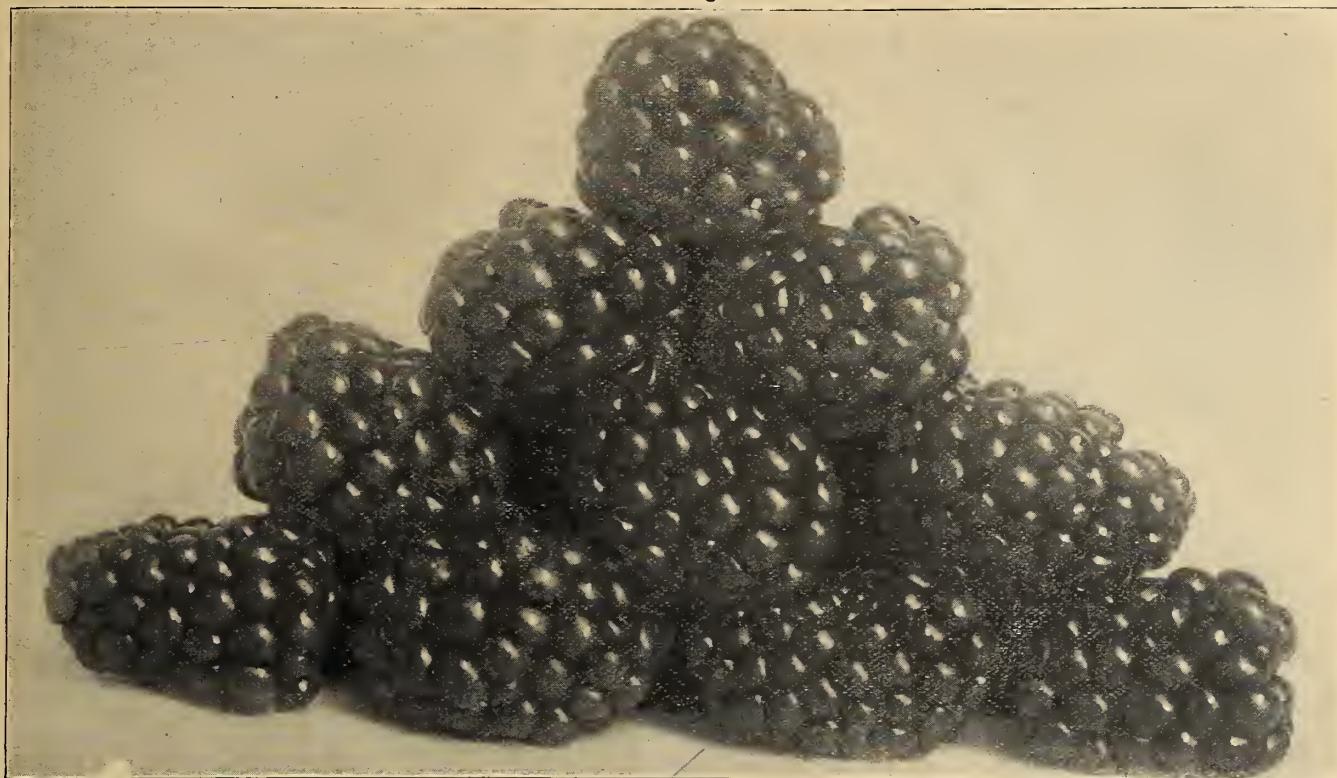
## PLUMS

**Jewell**—A very vigorous growing native plum. Fruit one of the largest of the American Plums that has been introduced. Flesh firm and juicy. Color a rich purplish red.

**Surprise**—Fruit large, skin medium thick and tender, of bright red color, flesh pale yellow and of excellent quality.

**Terry**—Another American Plum originating in northern Iowa, and has proven very hardy. A large fruit, color red over yellow, round shape, thick skin, yellow flesh of splendid quality.

Each, \$1.50; per doz., \$15.00



Pamphlet on CULTURE OF BUSH FRUIT and STRAWBERRIES free  
—on application.

## Natural Size "AMBROSIA" Blackberry (New)

We take pleasure in introducing to our customers this new Blackberry, offered for the first time this season. The following description is given by the originator in Illinois. "It is the earliest Blackberry in cultivation—and outyields any other early variety, five quarts of matured berries having been produced from one well established plant. Fruits very large, of a glossy jet black, sweet luscious flavor, with no core, keeping from 7 to 8 days after being gathered in perfect condition. Canes are sturdy upright growers needing no support with abundant dark green foliage which protects the large quantities of fruit from the sun. Immune from Orange Rust and other diseases. Very hardy, having withstood 32 below zero without injury." Price, \$2.00 per doz., postpaid.

**Snyder Blackberry**—Very productive and hardy; fruit sweet and juicy. Ripens early.  
Dozen, \$1.00; postpaid.....\$1.25

### CURRENTS.

Besides being a desirable fruit bush, it also forms a very ornamental bush in landscape work. Our calls for currant bushes are far in advance of supply, a significant proof of their popularity. Our bushes this year are exceptionally vigorous, upright and compact.

**Red Variety (Cherry)**—Very productive, color a bright red, in profuse clusters.

**North Star**—Fruit borne on naked stems, quality rich and mild, good red color.

**Fay's Prolific**—Fruit average, bright red color, thin skin.

**Common Red**—Berry medium to large.

**Perfection**—We offered this eight years ago and met with a great sale. It is a cross between Fay's Prolific and White Grape. Quality superior to any yet on the market. Rich sub-acid flavor with plenty of pulp and few seeds. A valuable addition to the red varieties.

**Black Variety (Black Naples)**—Fruit varies from small to large, well known variety.

Each, 35c; postpaid.....	50c
Per doz., \$3.50; postpaid.....	\$5.00
Each, large size, 50; postpaid.....	65c
Per doz., \$5.00; postpaid.....	\$5.50



Currant (Perfection.)



Gooseberry.

## GOOSEBERRIES

When planted a good distance apart and given good, shallow surface cultivation the Gooseberry does exceptionally well in this state, and should be more generally planted.

**Oregon Champion**—A splendid green variety, hardy, of good size and flavor. This variety is perhaps more generally grown on the Oregon fruit farms than any other, for market purposes, and is rapidly superseding almost all other sorts for this purpose.

**Columbus**—Hardy and large, and we have grown it for years in unsheltered position.

Each	50c; oz.	\$5.00
Each (Postpaid)	65c; doz.	\$5.50
Large plants, Columbus only, each,	75c; postpaid	90c

**Native Wild Gooseberry**—We offer this for hedges which are desired to turn dogs or other objectionable animals. They can be kept pruned to any desired thickness and are impenetrable.

Each, 3 to 4 feet, 50c; per 100	\$30.00
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## GRAPES

The following varieties are the hardiest.

**Campbell's Early**—An improved Concord.

**Concord**—The most popular.

**Worden**—Black, hardy, good quality.

Each (Postpaid)	75c
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## RASPBERRIES

### KING OF THE MARKET EVERBEARING RASPBERRY.

This is another novelty which we are offering for the first time to our customers. The following description is taken from the introducer.

"This variety originated in Jackson Co., Ills. The originator for some years refused to part with any of the plants—preferring to keep and grow the fruit for the Chicago market, where it commands a premium over all other raspberries. The plants grow very upright, with strong stems, branching from the ground up, these branches when in full bearing being loaded with fruit. The fruit is of a bright crimson color, extra large and very meaty, very rich in sugar and of a delicious flavor. It has proven an extra good shipper. It is a very heavy yielder, the young canes bearing their first crop in the fall, commencing early in September, and bearing until frost, and again the following spring, lasting through June and July. It is extremely hardy, having withstood 30 degrees below zero in the open field without protection."

Price, \$2.00 per doz., postpaid.

**Marlboro**—Strong grower, fruit large and sweet, red.

**King**—A fine hardy luscious red.

**Gregg**—Black, splendid yielder.

Price, any of the last three varieties, doz., \$1.00 postpaid.



**Everbearing Raspberry.**  
**King of the Market—(New.)**

# STRAWBERRIES

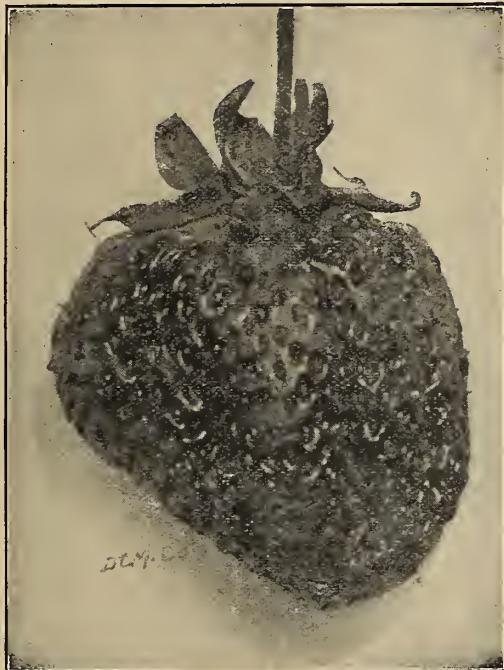
Pamphlet on Strawberry and Bush Fruit Culture **FREE**, on Application.

The fruiting plant that stands the severe conditions of Montana's climate with splendid credit to itself is the Strawberry. For the space it occupies in the garden it is hard to find anything to equal it and our patrons show a constantly increasing appreciation of this fact.

Strawberries are either Perfect or Imperfect flowered. The varieties listed below are all of the perfect flowered type.

We desire to call especial attention to the Everbearing varieties quoted. They should prove of more than usual merit for both home culture and market purposes. About 8000 plants to the acre.

We do not recommend fall planting.



**✓ Senator Dunlap, P.**—Hardy, strong grower, prolific, plant-maker, good bearer of firm berries that stand transportation well. The best early, mid-season berry for Montana and more generally planted than any other.

**✓ Wm. Belt, P.**—No berry sufficiently hardy to stand our high elevations is equal to this in flavor. Plants are good sized and productive. A splendid mid-season berry, sure to please all who grow it who like fine fruit.

**Glen Mary, P.**—Does well in Montana in the more favored localities where it produces a good crop of fruit on plants somewhat similar to Senator Dunlap.

**Brandywine, P.**—A mid-season variety, with large, rich red fruit, delicious flavor. A high grade berry.

**✓ Dr. Burrell, P.**—A mid-season berry, very firm fruit, good color and a heavy yielder.  
Any of the above varieties (Postpaid), 100, \$2.00

(Not less than 25 of a kind supplied.)

Strawberry Plants Can only be Supplied in the Spring.

## Everbearing Strawberries

This type of Strawberry is becoming a great favorite in the northwest. Their extreme hardiness, combined with their long bearing season, make them doubly valuable, not only to the commercial grower for the market, but also for the private garden.

**Progressive, P.**—One of the first of the type to be introduced. A fine well colored berry of delicious flavor. A good shape.

**✓ Superb, P.**—Another splendid variety, superb not only in name but in every good quality which goes to make a fine strawberry. A good shipper.

Either variety, per 100 (Postpaid) ..... \$3.00  
(Not less than 25 of a kind supplied.)

Either variety, 500 (Postpaid) ..... \$12.00  
Either variety, 1,000 (Postpaid) ..... \$20.00

## POT GROWN STRAWBERRY PLANTS.

We are offering this season a limited supply of Pot Grown Strawberries—Progressive—an everbearing variety. These have been grown in three inch pots—and if planted early will produce fruit the same season as planted, in the fall. They should not be planted until all danger from frost is past. Pot grown plants are preferred in many sections to the ordinary layer plants, on account of their more rapid development after planting in the open ground. They are unequalled for the small garden plot.

Price per doz., \$1.50: postpaid \$1.75.

State Nursery & Seed Co.,  
Helena, Mont.

Hinsdale, Mont., June 18, 1919.

Gentlemen:—I received the plants I ordered from you and they were in perfect condition. Thank you for the complimentary plants, and also for your prompt service.

Sincerely yours,  
Mrs. Hugo A. Hansen.

# Vegetable Plants and Garden Roots

## Tomato Plants

With the exception of the higher altitudes, they can be readily grown and with success. As a staple article, they should be grown far more than they are, large as is the quantity now planted. As in older sections of the country, in most parts of Montana, it is now found practical to grow sufficient quantities of this delicious and healthful fruit for canning purposes, as well as for fresh table consumption.

Number of plants required per acre—Staked or upright method, 3 feet in the row and 5 feet between rows—2904.

Pot grown plants while more expensive are far more satisfactory, and when only a few are to be planted we strongly advise the pot grown, as they will under normal conditions produce far more fruit and produce it earlier, a most decided advantage in regions where early frosts prevail.

We list the following varieties as being suited to our climate:

**John Baer**—The earliest and best. By far the leading variety for Montana.

**Bonny Best**—Another good early sort.

**Acme**—An old standard.

**Earliana**—Fruit large.

**Montana Beauty**—Large and good flavor.

**Golden Queen**—Solid, smooth and best of the yellow varieties.  
 Dozen 3-inch Pot grown plants.....\$1.00  
 Dozen, 3-inch Pot grown plants, postpaid.....\$1.25  
 Dozen, 4-inch Pot grown plants.....\$2.00  
 Dozen, 4-inch Pot grown plants, postpaid.....\$2.50  
 Dozen, from boxes, 50c; 100.....\$3.00  
 Dozen, from boxes, postpaid, 65c; 100.....\$3.25

## Cabbage Plants

With perhaps the exception of the extremely high altitudes, Montana can produce as many pounds of this necessary vegetable to the acre as almost any state in the Union. To secure the best and quickest results irrigation is necessary on dry lands. Too much water, will, however, result in "splitting." The varieties we list below are those which have proven the best both in weight and quality for this section.

Early cabbage 10,000 to 12,000 plants per acre. Late cabbage 6,000 to 8,000 plants per acre.

**Copenhagen Market**—Earliest and best Cabbage.  
 Hundred .....\$1.00; 1,000, \$7.50  
 Hundred (Postpaid) .....\$1.15

**Early Varieties**—Ready from May 1st.  
 Hundred .....\$1.00; 1,000, \$7.50  
 Hundred (Postpaid) .....\$1.15

**Late Varieties**—Ready from May 10th.  
 Hundred .....\$1.00; 1,000, \$7.50  
 Hundred (Postpaid) .....\$1.15

**Red**—For pickling.  
 Hundred .....\$1.50  
 Hundred (Postpaid) .....\$1.65

**Savoy**—  
 Hundred .....\$1.50  
 Hundred (Postpaid) .....\$1.65

## Cauliflower

50 plants per 100 ft. of row. 8,000 plants per acre 3'x2'. Cauliflower grows splendidly in Montana. A money making crop in favored sections.

**S. N. & S. Co.'s Peerless White Plume**—For Fall and Winter use.  
 Hundred .....\$1.25; 1,000 \$8.00  
 Hundred (Postpaid) .....\$1.35

## Celery

14,000 to 15,000 Plants to the Acre.

100 to 100 ft. of row.

**S. N. & S. Co.'s Peerless White Plums**—For Fall and Winter use. Self blanching.

**S. N. & S. Co.'s Peerless Self-Blanching**—Early, solid, crisp; delicious flavor  
 Hundred, either variety .....\$1.00; 1,000, \$7.50  
 Hundred (Postpaid) .....\$1.25

## Asparagus

We offer roots of this vegetable in a tried variety:  
**Palmetto**—Early and of excellent quality.

Dozen, 1-year-old.....25c; 100, \$2.00  
 Dozen, 2-year-old.....50c; 100, \$3.00  
 Dozen, 1-year-old (Postpaid).....45c; 100, \$2.40  
 Dozen, 2-year-old (Postpaid).....60c; 100, \$3.60

## Cucumbers

We have the splendid White Spine and Long Green varieties. From pots:

Each, either kind .....10c; doz., \$1.00  
 Postpaid .....15c; doz., \$1.25

## Chives

For flavoring.  
 Each .....10c; doz., \$1.00  
 Each (Postpaid) .....15c; doz., \$1.25

## Egg Plant

Ready May 20th.  
 Each .....10c; doz., \$1.00; 100, \$6.00  
 Each (Postpaid) .....15c; doz., \$1.15

## Horse Radish

12,000 Plants to Acre.  
 Nice Roots.  
 Each .....10c; doz., \$1.00  
 Each (Postpaid) .....15c; doz., \$1.25

## Mint

**Spear**—For mint sauce and julep.  
 Each .....20c; doz., \$2.00  
 Each (Postpaid) .....25c; doz., \$2.25

## Parsley

Each .....5c; doz., 50c  
 Postpaid .....10c; doz., 70c

## Pepper

**Large Bell or Bull Nose**—The variety for Montana.  
 Dozen .....35c; 100, \$2.50  
 Postpaid .....50c; doz., \$2.75

## Rhubarb

33 to 100 ft. of row. \$5,000 to acre 5'x3'.

A very large demand for our Rhubarb roots has caused us to grow them more extensively.

**S. N. & S. Co.'s Monarch**—Large red stems.  
 Each, 2 years old .....20c; doz., \$2.00  
 Postpaid .....35c; doz., \$2.35

# Cut Flower Department



Bride's Bouquet No. 1.

\$5.00 to \$10.00  
\$10.00 to \$50.00



Bridesmaid's Bouquet No. 22.

\$3.00 to \$10.00  
\$10.00 to \$20.00

Our Cut Flower Department is the most up-to-the-minute of any in Montana. It is in charge of one of the foremost experts in this line obtainable, aided by a corps of capable assistants.

The fact that we grow all our own flowers, coupled with the foregoing, insures that all orders for this class of goods will be filled with the highest quality, and put up in the most artistic manner known to the craft.

We also wish to call your attention to the means at our command, whereby we can deliver cut flowers for any occasion, at any point, in the United States, Canada, or the principal cities of Europe, with the card of the donor attached, and delivered right on the hour required. Orders of this kind are delivered with all charges prepaid and charged to the person giving the order. This is accomplished by means of the FLORISTS TELEGRAPH DELIVERY ASSOCIA-

TION, of which we are members, and is composed of the leading florists in all parts of the country. This service usually requires but a few hours notice.

When time is limited, it is always best to use either Phone or Telegraph, so as to give us the best opportunity possible to get out what you desire, and also prevent exasperating errors and delays.

The following pages will give some idea to distant customers of what we can offer in this line, and we can always be relied upon to furnish the latest and most appropriate designs in anything floral, for any occasion whatever.

For cut flowers for any purpose, Phone 327, Helena, Montana, between the hours of 8 A. M. and 6 P. M. After 6 P. M. telegraph the STATE NURSERY AND SEED CO., Helena, Mont., and we will guarantee satisfaction.



No. 1—Funeral Spray of Carnations. \$3.00 to \$10.00



No. 88—Pillow. \$10.00 to \$25.00

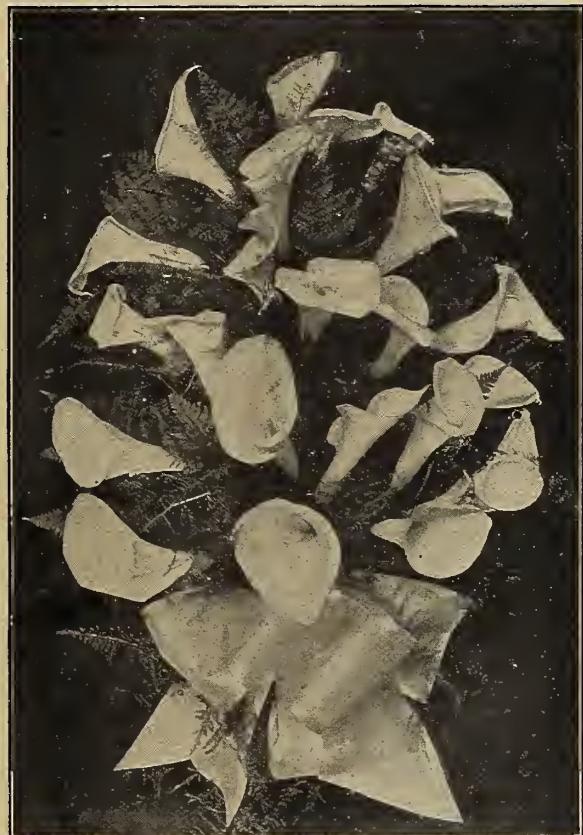
## Funeral Emblems

We can, at very short notice, make up almost any floral emblem wanted. The emblems most generally used are.

Wreaths	\$5.00 to \$25.00	Harps	\$10.00 to \$35.00
Pillows	\$5.00 to \$25.00	Stars	\$5.00 to \$15.00
Crosses	\$5.00 to \$25.00	Lyre	\$10.00 to \$35.00
Rock of Ages	\$20.00 to \$50.00	Broken Wheel	\$12.00 to \$50.00
Anchors	\$5.00 to \$20.00	Broken Column	\$10.00 to \$40.00
Hearths	\$5.00 to \$15.00	Gates Ajar	\$25.00 to \$50.00

## Emblems of Fraternal Organizations

Prices range from \$5.00 to \$25.00 each. When ordering state amount you wish to pay and we will guarantee satisfaction.



Spray of Callas.

No. 69, \$5.00 to \$25.00



Broken Column.  
Each ..... \$15.00 to \$50.00

## Funeral Sprays

We make more Sprays than anything else for funerals. Most any seasonable flower is suitable and quite appropriate for this purpose. When the choice is left to us, we select the best flowers we have. Prices range from \$3.00 to \$20.00.

## Blanket or Casket Cover

These are made either plain or very elaborate, and prices range from \$35.00 to \$75.00.

## Table Decorations

Table Center Pieces artistically made up and ready for immediate use. Prices \$5.00 to \$10.00

## F. T. D. A

We wonder—WHAT the above letters mean to the average reader—used often as they are by every florist in his advertising matter. They are the accepted abbreviation of the words—FLORISTS TELEGRAPH DELIVERY ASSOCIATION. This is an established association of the most reliable florists—of which we are members, and whose membership covers almost the entire civilized world. You may leave an order for flowers with any member of the organization—to be delivered to some friend almost anywhere, and the florist member at once wires to the member NEAREST to your friend, and—presto—the flowers are delivered with your card attached in an amazing short space of time. This is one of the greatest conveniences which the last few years have placed within the reach of all, and has become one of the most used, delivering fresh flowers WITH YOUR PERSONAL MESSAGE at any desired point in a very few hours notice.

## Shower Bouquets

Our Shower Bouquet for the Bride, made up of either Orchids, Bride-Roses, or other seasonable flowers. Tied up with loops of white baby ribbon and chiffon, giving them lightness and airiness. Can be carried by the most particular of Brides.

Prices.....\$15 to \$35

Bridesmaid Bouquets are usually made in color to correspond with the ladies' gown.

Prices.....\$10 to \$25

The less elaborate Bride or Bridesmaid Bouquet are more often used. Being simply a bunch of flowers well made up and all ready to carry.

Bride Bouquet.....\$5 to \$15  
Bridesmaid Bouquet.....\$4 to \$12

We also make up Corsages of Orchids, Violets, Roses or other seasonable flowers.

Prices.....\$2 to \$10

For Anniversaries, Birthdays, etc., we carry the latest novelties in Baskets, Ferneries, Jardinieres, Horseshoes, etc., and filled with choicest flowers.

Prices.....From \$5.00 up

All prices are subject to change. Prices are always higher at Christmas, New Year, Easter, Mother's Day and Decoration Day. Write for special lists for these dates.

Our flowers are all grown at the Nursery and therefore, fresh.

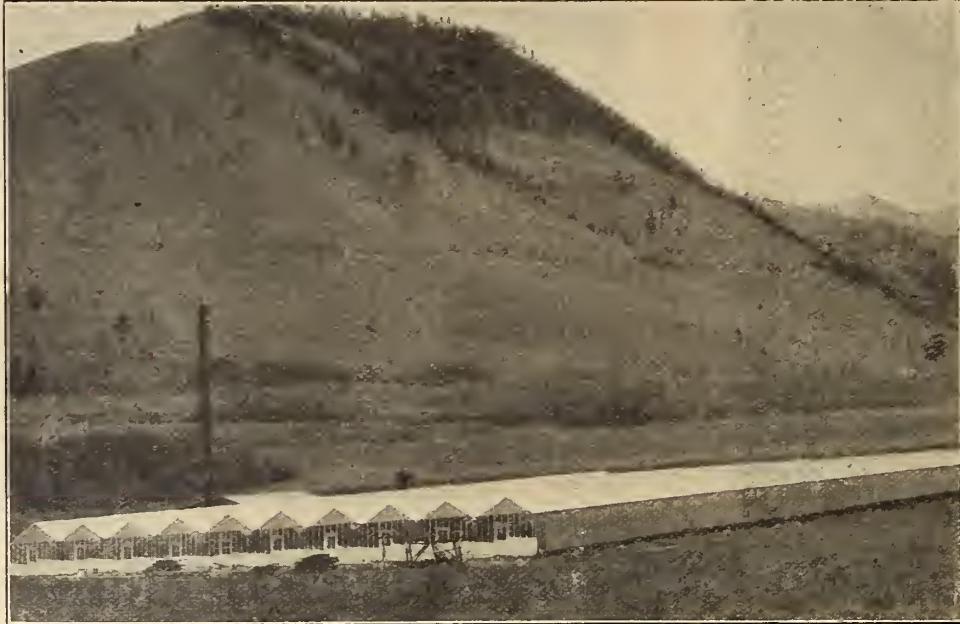
We guarantee safe arrival of all flowers, when sent by express.

## Cut Flowers

	Per Dozen.
Red, Pink, White and Yellow Roses.....	\$3.00 to \$4.00
Carnations.....	\$1.00 to \$3.00
Violets, per 100.....	\$2.00 to \$4.00
(Season Sept. to April.)	
Chrysanthemums, choice yellow, pink and white.....	\$5.00 to \$10.00
(Season Oct. to Dec.)	
Fancy Single Chrysanthemums.....	\$2.00 to \$3.00
Pom-Pon Chrysanthemums.....	\$1.50 to \$2.00
Daffodils.....	\$1.00 to \$2.00
(Season Jan. to April.)	
Tulips.....	\$1.50 to \$2.00
(Season Jan. to April.)	
Narcissus.....	\$75 to \$1.50
(Season Jan. to April.)	
Gladiolus.....	\$2.00 to \$5.00
(Season June to Oct.)	
Asters.....	\$1.00 to \$2.00
(Season June to Oct.)	
Peonies.....	\$2.00 to \$3.00
(Season June.)	
Orchids.....	\$12.00 to \$20.00
Easter Lillies.....	\$5.00 to \$7.50
(Season Feb. to May.)	
Calla Lillies.....	\$5.00 to \$7.50
(Season Oct. to June.)	
Fern Leaves.....	\$.25
Maiden Hair Fern, per doz. sprays.....	75c
Asparagus Fern Strings.....	Each 75c
Smilax Strings.....	Each 50c

Our Original "The Bountiful Box" More than your share of flowers —assorted each

**\$3.00**



Some idea of the enormous volume of our Cut Flower business in this section, and of our ability to promptly fill all orders, may be gathered by reference to the accompanying photo. This depicts part of the range of glass (four additional houses having been added since this photograph was taken) devoted entirely to the growing of Carnations for Cut Flowers, and requiring about 50,000 plants to fill the benches.

The mountains in the picture, the foot of one of which adjoins our Nursery, are part of the Great Continental Divide of the Rockies.

Orders for less than \$1 in cut flowers are not solicited as the cost of packing is too large to make smaller orders profitable.

Flowers are usually shipped by express at purchasers expense. When delivery is desired with charges prepaid, please to notify us with the order. We do not recommend **Parcel Post** for Cut Flower shipments and will not be responsible for them but will use every possible precaution in packing. Parcel Post shipments should be "insured or sent special delivery."

As plant orders are always packed and shipped from our greenhouses, we seldom combine them with cut flower shipments, which are always made from our city store.

Where the price of cut flowers exceeds the money sent your order will be filled to value.

Spring 1920--. Thirtieth Year

# SEED DEPARTMENT

Suggestions to our Customers in Ordering from this Catalog, the reading of which will aid both you and us

**EARLY ORDERS**—Our rush season comes in the months of March and April. Orders sent AT ONCE secure prompt shipment at the proper time from full stocks.

**HOW TO ORDER**—Write your name, postoffice, state and express office and railroad company plainly with ink, on every order, and also when you write us concerning it. Give plain express, mail or freight directions; where none are given, we route goods at buyer's risk.

**USE ORDER SHEET**—The use of the order sheets enclosed in this catalogue are a great help to us in filling and shipping orders. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same. Flower and Vegetable Seed Orders should plainly state quantity before the name of the variety. Plant order should give quantity, variety and price. Do not write letters on order sheet.

**KEEP A COPY OF YOUR ORDER** and mark off goods as received. Sometimes items may be sold out or will follow later, in which case a slip is enclosed with other goods, or notice sent.

**ORDERS ARE PROMPTLY FILLED** and as far as practicable, in rotation. All orders not shipped on day of receipt are acknowledged by a postcard giving the number of the order on our files. If you do not hear from an order sent us within a reasonable time, send us a duplicate of it giving date of order, amount of same, form of remittance, and your full name and address. If you will, in case of what appears to you to be an unreasonable delay, give us these items of information in your letter regarding the order, it will aid us greatly and save valuable time in tracing the order.

**ALWAYS, IF POSSIBLE**, when writing in reference to an order, give the number of the order referred to.

**MISTAKES**—These will happen in spite of all care. Write us at once with a copy of original order if possible, and errors will be promptly rectified. Please do not return goods until you hear from us.

**FREIGHT OR EXPRESS**—All express lines in the United States and Canada carry seeds at special rates. Plants come at the same special rate when out of pots and this includes nursery stock. On moderate sized orders, we advise express shipment rather than freight.

**HOW TO SEND MONEY**—Send cash with order (as we do not open book accounts for small amounts) by Draft, Postoffice or Express Money Order whenever possible; there are cheap and safe. Postage stamps are taken as cash for small amounts and we prefer denominations such as 5c, 10c or 15c. Registered letters can be sent from any postoffice, and your receipt sent you by return mail, by which you know it has reached us. Local checks are accepted. Make money orders or checks payable to State Nursery and Seed Co.

**RECOMMENDATIONS**—We tender our sincere thanks to the numerous customers who have been kind enough to recommend us. We are always pleased to mail our catalogue to friends of our customers on request. We catalogue only such goods as have proved suitable to our climate. We trust that our efforts to simplify the task of selection will meet the approval of our many friends. Our seeds are the best that can be obtained, and our facilities for testing same are unexcelled.

**SEEDS BY WEIGHT**—Most all of our seeds are sold by weight, which we believe to be the most satisfactory method. Half pounds and over, at pound rate; less than half-pounds at ounce or quarter-pound rates.

All Flower and Vegetable Seeds in pkts, oz,  $\frac{1}{4}$ -lb, pint, or quart, sent prepaid to your Railroad Station or Postoffice, except where noted. Field Seeds by freight or express at purchaser's expense.

**REGARDING PREMIUMS**—In conformity with the law passed by the 1917 session of the Montana Legislature, absolutely prohibiting the giving or offering of premiums in any form or manner, we have discontinued this form of advertising. We will endeavor to more than offset this by giving if possible better goods, based on current market prices. Note the following, formerly given as premiums:

**FARMERS READY REFERENCE BOOK**—The most complete farm book on the market. Every department of farm life covered in detail by experts. Each (Postpaid), 15c, while the supply on hand lasts. Well worth several times its cost.

**NATIONAL COOK BOOK**—A manual of Good Recipes, carefully chosen from the contributions of over two thousand successful cooks and chefs in this and foreign countries, also useful notes on the various classes of good things to eat, all of which have been carefully checked and re-checked by competent authority. Special attention has been given to Bread and Pastry Making and the various dainties dear to good cooks. Each (Postpaid) 15c, while the supply on hand lasts; in every respect the equal of any book of its kind ever published.

**SPECIAL FOR THE FARMER**—A set of 20 varieties of Farm Seeds—Alfalfa—Clovers—Millets—Grass Seeds, etc., mounted under glass, with seedling table accompanying. A most useful outfit for the farmer desiring to know seeds and to have the means of identification on hand. Price (Postpaid), 25c.

**OUR RESPONSIBILITY**—It is so manifestly impossible for the seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds or plants, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell. At the same time in case of any failure to secure proper results caused from some inherent fault in the seeds themselves the State Nursery and Seed Co. accepts responsibility, not for the crop, but to the extent of the amount of money paid for the seeds, if immediately advised. (Or seeds may be returned. See below.) We wish it understood that all our seeds are sold under the following general non-warranty.

We do not warrant in any way, express or implied, the contents or the description, quantity, productiveness or any other matter of any seeds, bulbs, plants shrubs or trees sold by us, and we will not in any way be responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we sell at the moderate prices herein quoted.

# FLOWER SEEDS

**Annuals**—Bloom first year from seed and die after one season.  
**Biennials**—Bloom second year from seed and plant dies after second year.  
**Perennials**—Bloom second year from seed and plant lives and blooms for several years.  
**Tender**—Means plants will not stand the least frost.  
**Half-Hardy**—Means plant will stand a little frost and needs protection.  
**Hardy**—Means plant will stand considerable frost.



African Gold Daisy.

**ABRONIA UMBELLATA**—(Sand Verbena) ..... Pkt., 5c  
 Very pretty trailing plants with numerous clusters of sweet-scented flowers. Rosy lilac, with white eye. Does well in light soil. Annual.

**ACROCLINIUM**—(See Strawflower.)

**AFRICAN GOLD DAISY**—(*Dimorphotheca Aurantiaca*) ..... Pkt., 10c.  
 The single daisy-like flowers are  $2\frac{1}{2}$  inches in diameter, and of a unique glossy terra cotta orange, which brilliant coloring is rendered the more conspicuous by the dark disc surrounded by a black zone. The plants grow from 8 to 12 inches high and are very profuse flowering, especially in dry situations. Hardy annual.



Ageratum (Blue.)

**ALYSSUM**—(Little Dorrit) ..... Pkt., 10c  
 A novelty of late introduction, of dwarf and very bushy habit. Exceedingly useful for border and cemetery purposes.

**AGERATUM**—(Floss Flower) — Blue Perfection ..... Pkt., 5c  
 Oz., 35c.

A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Nine inches. Sow the seed early in the spring.

**ALYSSUM**—(Mari-tinum, Sweet Alyssum) ..... Pkt., 5c; oz., 25c.

Six to eight inches high. A fragrant, hardy, annual, bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for border or early bedding flowers. Sow the seed early in spring.



Alyssum (Little Gem.)

**ALYSSUM**—(Little Gem) ..... Pkt. 10c; oz. 75c  
 Three to four inches high; fine for borders.  
**ALYSSUM COMPACTUM LILACIANUM**—(Lilac Queen) —Hardy annual, lilac flowered. Per Pkt. ..... 10c  
**ALYSSUM SAXATILE COMPACTA**—A hardy dwarf perennial, very useful for rockwork, literally covering itself with yellow flowers. Per Pkt. ..... 10c

**AMMOBIUM**—(See Strawflower.)

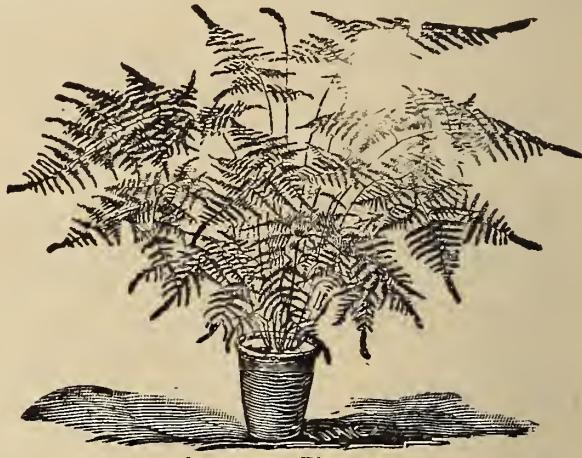
**AMARANTHUS TRICOLOR**—(Joseph's Coat) —Mixed ..... Pkt., 5c  
 These plants afford brilliant contrasts of colors, being useful for borders and groups; also, where foliage effects are desired. The leaves and stems are of different shades of red, blended with green. Half-hardy annual.

**ANTIRRHINUM**—(Tom Thumb) —Mixed. Per pkt. ..... 10c  
 Beautiful dwarf growing bushy variety. Flowers are handsome and produced in great profusion the entire season. It is not only desirable for beds and groups but also for pot culture. Half-hardy perennial. Treat as an annual.

**ANTIRRHINUM**—(Semi Dwarf) —Choice mixed ..... Pkt., 10c  
 A splendid type, growing in height between the Tom Thumb and Giant forms of this noble plant. Eighteen to 20 inches. Half-hardy perennial. Treat as an annual.

**ANTIRRHINUM**—(Grandiflora) —Tall mixed ..... Pkt., 5c  
 Flowers double the size of older sorts more closely set on stems and colors more clear and brilliant, growing about twenty-four to thirty inches high. Grand mixture of many striking colors. Half-hardy perennial. Treat as an annual.

**ANGEL'S BREATH**—(See Gypsophila.)



Asparagus Plumosus.

**ASPARAGUS**—Plumosus *Nanus*) ..... Pkt., 10c  
 An indoor perennial climber, of wonderful beauty. It has largely replaced the famous smilax in the floral world. Bright, cheerful. Fern-like green.

**ASPARAGUS**—(Sprengeri)—(Emerald Feather) ..... Pkt., 10c  
 Adapted to suspended baskets; 1 to 4 feet. An excellent trailing house plant, as it withstands a dry atmosphere and succeeds everywhere. Remains fresh a long time after cutting.

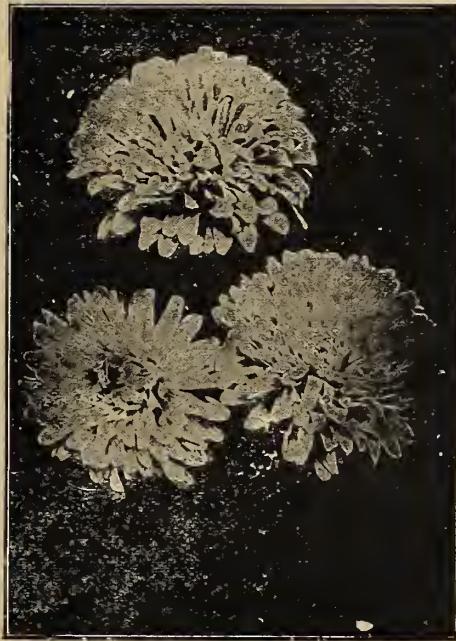
**AQUILEGIA**—(See Columbine.)  
**ASPERULA**—(Azurea)—Blue ..... Pkt., 5c

Grown for its fragrant leaves and stems which dried have a sweet odor, and are used for putting among clothes, etc. Best grown among shrubbery in semi-shaded positions where it can remain undisturbed. Twelve inches high.

**ASPERULA TINTORIA**—(Sweet Woodruff) ..... Pkt., 10c  
 An old-fashioned fragrant hardy perennial plant, greatly loved for its fragrance when dried, resembling the sweet odor of new mown hay. Bears small white flowers. Eighteen inches.

# ASTERS

As a popular flower the Aster ranks with Sweet Peas, Pansies, and Nasturtiums. No flower is more popular, and few have held a place in popular esteem for so many years and it is still growing in favor. Hardy Annual. For an autumn show of flowers, we have not its equal. We offer only Asters of superior quality.



ASTER—Queen of the Market.

**SEMPLES IMPROVED BRANCHING**—A very strong growing class of Aster with branching habit, long stemmed, exceedingly double flowers. Blooms in August. Two feet.

Purple	Pkt., 10c	Flesh	Pkt., 10c
Lavender	Pkt., 10c	White	Pkt., 10c
Crimson	Pkt., 10c	Rose	Pkt., 10c

Collection six packets, one each of the above, 50c.  
All colors mixed, pkt., 10c;  $\frac{1}{4}$  oz., 50c.

#### VICK'S IMPERIAL ASTERS.

IMPERIAL—Daybreak—Sea Shell Pink	Pkt., 15c
IMPERIAL—Sunset—Light Pink	Pkt., 15c
IMPERIAL—Giant Purity—White	Pkt., 15c
IMPERIAL—Violet King—Soft Violet	Pkt., 15c

#### VICK'S LATE BRANCHING.

This type bears flowers of extraordinary size, on long strong stems, from fifteen to twenty inches in height. Of very strong growth, coming into bloom in August, and continuing throughout the rest of the season. Considered by many the most satisfactory Aster grown, for all purposes.

Crimson	Pkt., 10c	Purple	Pkt., 10c
Lavender	Pkt., 10c	Rose	Pkt., 10c
White	Pkt., 10c		
All colors mixed, pkt., 10c; $\frac{1}{4}$ oz.			50c

TRUFFAUTS PEONY FLOWERED MIXED	Pkt., 10c; $\frac{1}{4}$ oz., 60c
VICTORIA—Mixed	Pkt., 10c; $\frac{1}{4}$ oz., 60c
ASTERS—Finest mixed	Pkt., 5c; $\frac{1}{4}$ oz., 50c

#### GIANT COMET BRANCHING.

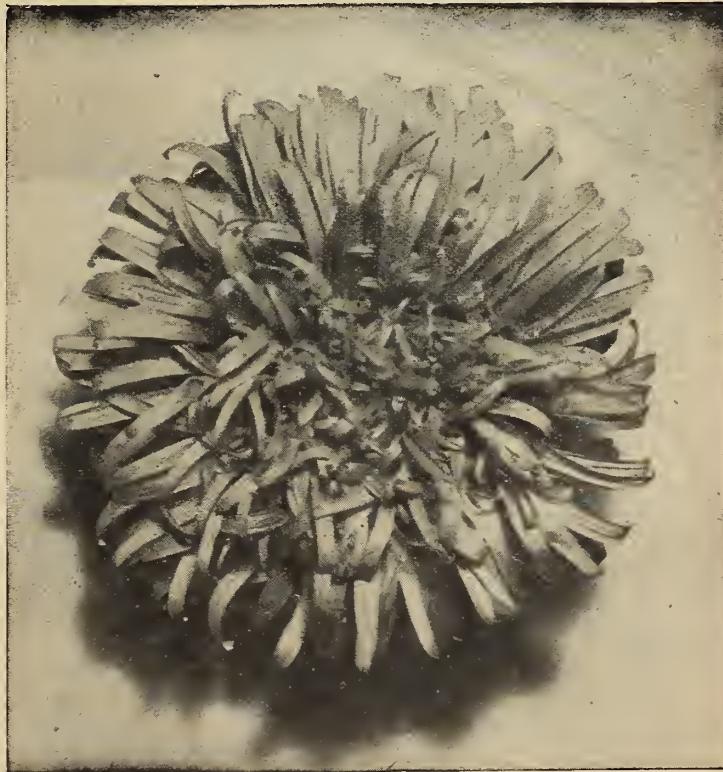
Known also as the Ostrich Plume Asters. A strong growing form, bearing profusely large flowers. The petals are re-curved, and toward the center of the bloom are twisted and curled. Height two feet. A most desirable type.

White	Pkt., 15c	Crimson	Pkt., 15c
Rose	Pkt., 15c	Pink	Pkt., 15c
Lavender	Pkt., 15c	Purple	Pkt., 15c
Blue			Pkt., 15c

One pkt. each of the above seven colors ..... 85c  
All colors mixed, pkt., 15c;  $\frac{1}{4}$  oz. ..... 75c



Victoria Aster.



ASTER—Crego Giant.

#### CREGO'S GIANT.

Considered by many the finest of the Aster family, producing immense flowers, often measuring 5 inches in diameter, and of a fluffy texture. They retain their pristine beauty when cut longer than any Aster known. Twelve to fourteen inches.

White	Pkt., 15c	Pink	Pkt., 15c
Lavender	Pkt., 15c	All colors mixed	Pkt., 15c
Crimson	Pkt., 15c		

Per  $\frac{1}{4}$  oz. of any color or all colors mixed, 75c.

**BALSAM—(Double Mixed)**—Pkt.

Balsams like hot sun, rich soil and plenty of water. Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plant into better shape and to make the flowers more double. Half-hardy Annual. Two feet.

**BALLOON VINE—  
(Love - in - a - Puff) —**

Pkt. 5c

A rapid growing climber; thrives in light soil. One of the prettiest climbers. Annual. Six to eight feet.

**BARTONIA AUREA —  
(Golden Bartonia or Blazing Star)**—Pkt. 5c

One of the brightest garden flowers. It produces its large golden blossoms all summer in great abundance; 1 foot high. Hardy Annual.

**BACHELOR'S BUTTON —  
(Blue Bottle, or Corn-flower)**—Mixed colors, oz., 50c; pkt. 5c

Of easy culture, sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual.

**BACHELOR'S BUTTON —  
(Pink Beauty)**—

Pkt. 10c  
Valuable for cut flowers. Very easily grown and prolific bloomer; Annual.



Bachelor Button.



Brachycome or Swan River Daisy.

**CACALIA—(Tassel Flower or Flora's Paint Brush)**—Pkt. 5c

A neat annual of easy culture with tassel shaped flowers; blooms from June to September; fine for borders. Golden yellow and scarlet mixed. Two feet.

**CALENDULA—(Pot Marigold)**—One of the best and most showy annual grown. Very fine either for beds or mixed borders; blooming until frost. One foot. All colors mixed, ptk. 5c; oz. 25c**CALENDULA—METEOR**—Lemon with Orange. Pkt., 10c; oz., 25c**CALENDULA—Prince of Orange**—Rich Orange Red. Pkt., 10c; oz. 25c**CALENDULA SULPHUR or LEMON QUEEN**—Pkt., 10c; oz., 25c**CALANDRINIA GRANDIFLORA**—A splendid half-hardy Biennial with flowers of a dazzling rose-pink. In bloom nearly all summer. Pkt. 5c**CALIFORNIA POPPY—(See Eschscholtzia)****CALLIOPSIS—(Lanceolata)** Pkt. 10c  
Handsome perennial, large golden yellow.**CALLIOPSIS—(Or Coreopsis)** Mixed

Pkt. 5c

Showy and beautiful free flowering annuals, blooming all summer and excellent for cutting and massing. Eighteen inches.

**CANARY BIRD FLOWER—(Tropaeolum Canariense)**—Pkt. 5c; oz., 30c

A beautiful climber with curiously shaped blossoms. Will blossom freely from July until killed by frost. Tender annual. Sow in the house and transplant, or in open ground. Eight to ten feet.

**CANDYTUFT — (Iberis Umbellata)**—

Universally known as a border plant, and equally useful in beds. Annual. Twelve inches.



Calliopsis—(Annual)

**CANDYTUFT.**

Pink	Pkt., 10c
White	Pkt., 10c
Carmine	Pkt., 10c
Lavender	Pkt., 10c
Crimson	Pkt., 10c
Empress or Giant Flowered—White, large, long spikes of bloom; the best for cut flowers.	Pkt., 10c
Fine Mixed	Pkt., 5c; oz., 25c

**CANTERBURY BELLS—(Campanula Pyramidalis)** Single mixed, Pkt. 5c

Handsome hardy biennial, of stately growth, rich color and profuse bloom. Should be given some protection in severe winter weather; colors: White and various shades of Violet, Rose, Lilac and Blue. Height, two to four feet.

**CANTERBURY BELLS—(Calycanthema)** Mixed Pkt., 10c

The new Cup and Saucer, larger and appear about two weeks earlier than those of the old type. A splendid plant for beds and pot culture. Perennial. Two feet.

**CARNATION MARGUERITE**—

This half-hardy perennial often blooms the first season from seed, and they are exceedingly valuable for bedding and pot culture. Very free flowering exceedingly fragrant, large flowered and double. Eighteen inches  
White, ptk. 10c  
Yellow, ptk. 10c  
Dark Red, ptk. 10c  
All Colors mixed, ptk. 5c



Carnation—(Double).

**Extra Fine Double Mixed**—Pkt.

10c

**CASTOR OIL BEAN—(Ricinus)**—Mixed, Annual, ptk., 5c; oz., 20c

The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green with reddish ribs. Six to eight feet.

**CATCHFLY—(Silene)**—Mixed. Pkt. 5c

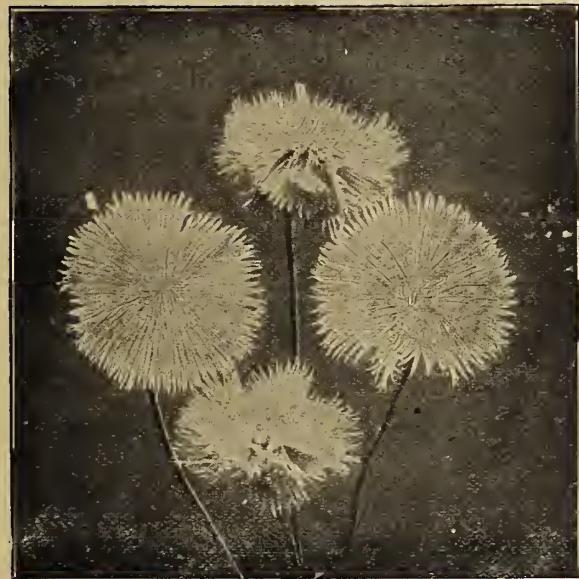
An easy growing free flowering annual plant, producing dense umbels of white, red or rose colored blossoms. The plant is partly covered with a glutinous moisture, hence the name "Catchfly." Hardy Annual. Two to three feet.



CELOSIA CRISTATA—(Cockscomb.)

**CELOSIA PLUMOSA**—(Feathered Cockscomb) A splendid strain of the tall growing plumed Cockscomb forming great pyramids of huge crimson plumes.

Thompsoni Magnifica—Crimson	Per Pkt., 10c
Thompsoni Magnifica—Yellow	Per Pkt., 10c
Thompsoni Magnifica—Mixed	Per Pkt., 10c



Centauria Imperialis.

**CENTAURIA IMPERIALIS**—(Royal Sweet Sultan)—A justly favorite annual, coming into bloom in July, and continuing until frost. Excellent for cut flowers.

White	Per Pkt., 10c	Rose	Per Pkt., 10c
Lilac	Per Pkt., 10c	Blue	Per Pkt., 10c
Finest Mixed Colors			Per Pkt., 10c

**CENTAUREA RUTHENICA**—A tall growing perennial variety, with sulphur-yellow blooms. Per Pkt., 10c

**CENTAUREA SUAVEOLENS**—The Yellow Sweet Sultan or Grecian Cornflower. Annual. Per Pkt., 10c

**CENTAUREA CYANUS**—(See Bachelor Button.)

**CHINESE LANTERN PLANT**—(See Physallis.)

**CELOSIA CRISTATA**—(Cockscomb) — Splendid annuals for either pot culture or for the border. Well grown blooms often measure 12 to 14 inches, of a most brilliant color.

**Empress** — Rich crimson combs of mammoth proportions. Per pkt. ..... 10c

**Dwarf Crimson** — Per pkt. ..... 10c

**Aurea** — Dwarf Golden Yellow. Per pkt. ..... 10c

**Dwarf** — Finest Mixed, Pkt. ..... 10c

**CHRYSANTHEMUMS**—**Annual Varieties**—Showy and effective garden favorites extensively grown for cut flowers. Splendid summer flowering plants for the border, and very attractive. Of easy culture anywhere.

**Carinatum Eclipse**—Golden yellow with a purplish scarlet ring on the center of the petals, the disc a dark brown. Very striking ..... Pkt., 10c

**Coronarium**—A most prolific bloomer, with small double white and yellow flowers. Double mixed, per pkt. ..... 10c

**Tricolor**—Single Mixed ..... Pkt., 5c

**CHRYSANTHEMUMS**—**Perennial Varieties**. These are the well known perennial Chrysanthemums, grown greatly for the hardy Perennial border, of easy culture in almost any position and location.

**Inodorum**—**Bridal Robe**—A well known double white variety, fine for cut flowers ..... Pkt., 10c

**Leucanthemum Grandiflorum**—(Ox Eye Daisy)—Flowers resembling the wild Ox Eye Daisy but twice as large. Very fine for cut flowers and of easy culture. Pkt. ..... 10c

**Maximum**—**King Edward VII (Moonpenny Daisy)**—A strong growing free flowering variety ..... Pkt., 10c

**Maximum**—**White Perennial Marguerite**—The well known large flowered Marguerite Daisy ..... Pkt., 10c

**Maximum**—**Shasta Daisy**—(Alaska)—The well known large flowers 5 inches in diameter; with very broad petals, and long strong stems. Excellent for cut flowers ..... Pkt., 10c

**CLARKIA**—Mixed colors ..... Pkt., 5c  
Among the prettiest native hardy annuals. They are useful for hanging baskets, for vases and as edging plants. Sow outdoors in early spring and grow in partial shade. They bloom through midsummer to late autumn. Average height 1½ feet.

**CLARKIA PULCHELLA**—(Tom Thumb) Mixed ..... Pkt., 10c  
A dwarf form of this favorite flower of bushy habit and profuse blooming qualities. Annual.

**COBEA SCANDENS** ..... Pkt., 5c  
A half hardy climbing annual, with large leaves and large trumpet shaped flowers, the blossom is green until nearly grown, when it turns bright purplish blue—grows about 20 feet high and is very desirable for covering a large lattice. A native of Mexico.

**COLUMBINE**—(Aquilegia) — Double Mixed ..... Pkt., 5c  
Of the easiest culture and when once established, will furnish for many years a magnificent display of the handsomest flowers each spring and summer. The beds should be kept clear of weeds and given each year a liberal dressing of well rotted manure. Hardy herbaceous perennials; two to three feet high.

### CONVOLVULUS MAJOR (Tall Morning Glory)

A hardy climbing annual, growing about 10 feet high. Flowers are well known and exist in a great variety of colors, tints and markings. Fully expanded only in the mornings. Of easy culture, quick growth and valuable in every garden.

**Rose** ..... Pkt., 10c  
**White** ..... Pkt., 10c  
**Lilac** ..... Pkt., 10c

**Striped** ..... Pkt., 10c

**Crimson** ..... Pkt., 10c

**Carmine** ..... Pkt., 10c

**Purple** ..... Pkt., 10c

**Blue** ..... Pkt., 10c

Any six of the above, 1 pkt., each for ..... 50c

**Tall Mixed**—Per pkt., 5c; per oz. ..... 25c



Morning Glory (Convolvulus Major Mixed)

**CONVOLVULUS MINOR**—**Dwarf Morning Glory**—A very early flowering annual with brilliant flowers. Of very easy culture. **Finest Dwarf Mixed**—Pkt., 5c; oz. ..... 25c

**CONVOLVULUS JAPANESE**—(See Ipomea.)



COSMOS—Early Flowering Dawn.

**COSMOS**—Among the garden annuals that have come into prominence in recent years, the Cosmos leads all. It is a show in the garden and magnificent when cut. Formerly we had to be content with the late flowering type which was often killed by early frost. Now that we have a most perfect type of the early flowering class, every garden should contain this exquisite flower. Seed in the open ground in the beginning of May will produce blooming plants in July, and will continue to flower late in the fall. Three to four feet.

Early Flowering Mixed—Pkt. 5c; .....  $\frac{1}{4}$  oz., 25c



Cosmos—Early Flowering Dawn and Children. Photograph from Mrs. M. Riberdie, 400 Elm St., Anaconda, Mont.

Early Flowering Dawn—White, tinted pink ..... Pkt., 10c  
 Early Flowering Dawn—Red ..... Pkt., 10c  
 Early Flowering Dawn—Pink ..... Pkt., 10c  
 Early Flowering Dawn—Crimson ..... Pkt., 10c  
 Early Flowering Dawn—Pure white ..... Pkt., 10c

**CYPRESS VINE**—(*Ipomea Quamoclit*)—A hardy rapid climbing annual, with feathery foliage, bearing bright scarlet and white flowers very profusely. Mixed ..... Pkt., 5c

**DAISY—Bellis** ..... Pkt., 5c  
 Finest double; very desirable for edgings or low borders. Mixed, pink and white.



DAHLIA—(Double.)

**DAHLIA**—Double Mixed ..... Pkt., 10c

**DAHLIA**—Single Mixed ..... Pkt., 5c

This strain is a decided advance on the ordinary singles. The plants are of strong, robust habit and produce an abundance of flowers of immense size. Half-hardy perennial. Four to six feet.

**DAISY—(Shasta)**—(See Chrysanthemums.)



DELPHINIUM—Perennial Larkspur.

(See next page.)

**DELPHINIUM**—(Perennial Larkspur)—These are one of the most handsome and useful hardy plants, and for the Perennial border are invaluable. Excellent for cut flowers, producing large, long spikes of beautiful flowers, of varying shades of blue. Hardy Perennial.

**Formosum**—Dark blue ..... Pkt., 10c  
This is the old favorite dark blue Larkspur, and one of the best. Hardy Perennial. Three feet.

**Belladonna** ..... Pkt., 10c  
A very free and continuous bloomer, with flowers of a Turquoise blue. Hardy Perennial. Three feet.

**Chinense**—(Blue Butterfly) ..... Pkt., 10c  
Another splendid type, very free flowering, with flowers of a beautiful Gentian blue Hardy Perennial. Three feet.

**Hybridum** Fl. Pl.—Finest Double Mixed in a great variety of charming colors. Three feet ..... Pkt., 10c

For Annual Varieties See Larkspur.

#### DOUBLE ANNUAL VARIETIES.

**Hedgewigii** Fl. Pl.—(Double Japan Pink)—Very large and double flowers of brilliant colors ..... Pkt., 10c

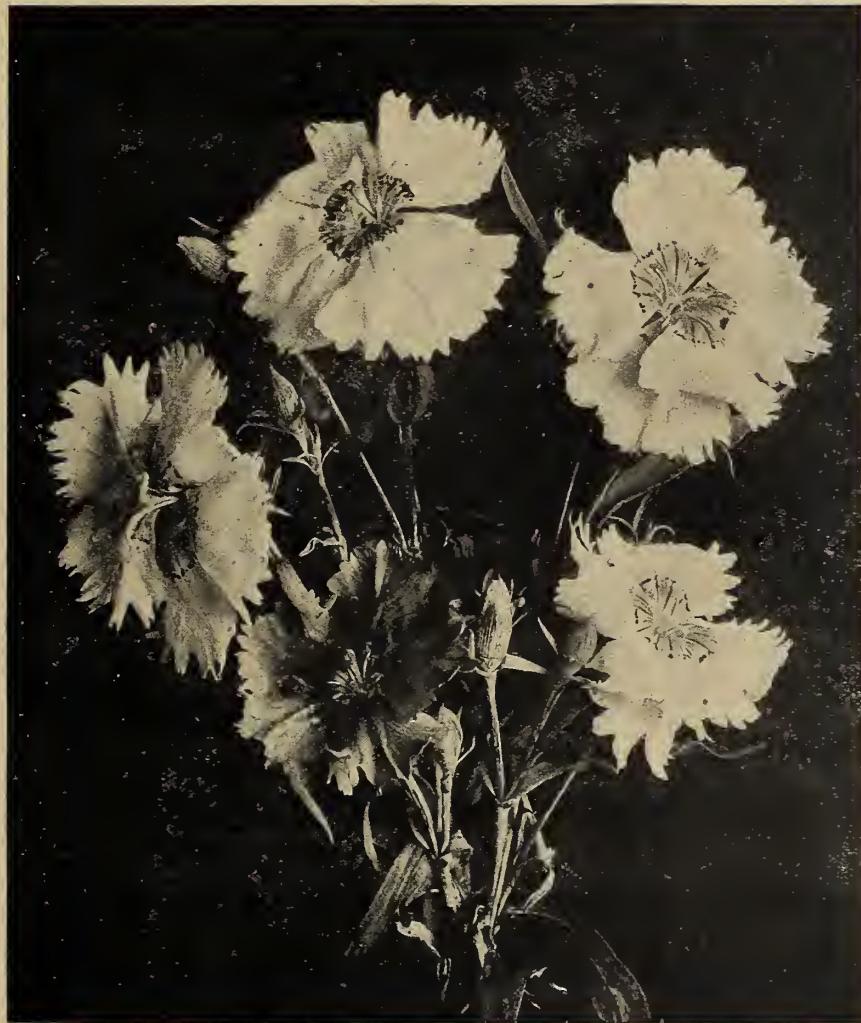
**Chinense** Fl. Pl.—(China or India Pink)—Blooms in clusters, with a brilliant assortment of colors ..... Pkt., 10c

**Plumarius**—(Hardy Perennial Grass Pink, Scotch Pink or Pheasant's Eye)—A single hardy perennial pink, with fringed edge, light colored flowers with a darker center various colored. The old-fashioned garden favorite ..... Pkt., 10c

**DOLICHOS**—(Hyacinth Bean, Daylight) ..... Pkt., 10c  
This is a white form of the well known Hyacinth bean, and of most rapid growth and very free blooming habit. It has been known to bloom in 8 weeks from the time of sowing, at height of ten feet. Annual.

**DOLICHOS**—(Hyacinth Bean)—Scarlet ..... Pkt., 10c  
A scarlet type of the same rapid growth as the preceding variety and very free flowering. Annual.

**ECHINOCYSTIS LOBATA**—(See Wild Cucumber.)



**PINKS**—(Dianthus Hedgewigii)

**DIANTHUS**—(Pinks)—Single varieties. Annual. Hardy and half hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture. Seeds may be sown in the open ground where they are to remain, but better results are obtained at least in the north, if plants are started in the house. White and dark crimson, also white tipped light purple and shades of red with darker blotchings. Average— one foot.

**Crimson Bell**—Rich Velvety Crimson ..... Pkt., 10c

**Eastern Queen**—Beautifully marked with rose and mauve. Pkt. ..... 10c

**Hedgewigii**—(Single Japan Pink)—Flowers of the most wonderful coloring, beautifully marked. Mixed colors ..... Pkt., 5c



**Eschscholtzia.**

**ESCHSCHOLTZIA**—(California Poppy)  
State flower of California. A genus of the Poppy family, fully as valuable as the common poppy for garden ornamentation, as it blooms almost continuously. Hardy annual; height one foot.

#### California Poppy—

Fine Mixed	Pkt., 5c; oz., 25c
Peerless Mixed	Pkt., 10c; oz., 60c
Yellow	Pkt., 10c
White	Pkt., 10c
Rose	Pkt., 10c
Crimson King	Pkt., 10c
Golden West	Pkt., 10c

#### ESCHSCHOLTZIA—Bush

See Hunnemannia.

**EUTOCA**—(Viscidia)—Intense Blue ..... Pkt., 5c  
Foliage dull green, covered with hairs; blossoms blue and striped,  $\frac{1}{4}$  of an inch across, produced in terminal racemes. Succeeds best in warm sandy soil, not over rich. Sow in open ground early in spring, and thin to one foot apart. Hardy annuals one foot high.

**EVENING PRIMROSE**—(See Oenothera.)

**EVENING SCENTED STOCK**—(See Matthiola Bicornis.)

**FEVERFEW**—(See Matricaria.)

**FORGET-ME-NOT**—(See Myosotis.)

**FOXGLOVE**—(Digitalis)—Mixed ..... Pkt., 5c  
Grows to the height of three or four feet, with dense spikes of brilliantly colored flowers, which are terminal and half as long as height of plant. Colors: White, Lavender and Rose. A valuable flower in every perennial garden; does not usually blossom until the second year. Hardy biennials or perennials.

**FOXGLOVE**—(Digitalis)—*Gloxiniaflora* ..... Pkt., 10c  
This type of similar growth to the preceding variety, bears beautifully spotted flowers resembling the Gloxinia.

**FOUR O'CLOCK**—(Marvel of Peru)..... Mixed Pkt., 5c  
These flowers are funnel-shaped. Red, White, Yellow or striped with these colors and open about four o'clock in the afternoon, remain open all night and generally perish about noon next day. The abundance of new flowers produced daily afford a constant succession of fine blooms. Sow seed in open ground. Hardy annual; two feet high.



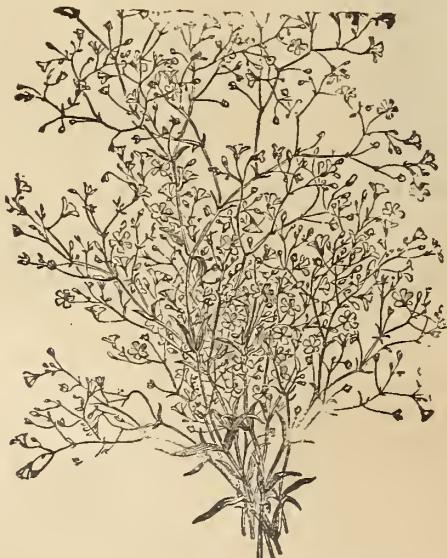
GAILLARDIA—(Annual Mixed)

**GAILLARDIA**—(Picta Single Mixed)..... Pkt., 5c  
Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing to bloom from early summer till November; excellent for cutting, 1½ feet high. Annual.

**GERANIUM**—(Zonale)..... Mixed Pkt., 5c

**Godetia**—Finest Mixed ..... Pkt., 5c  
A hardy annual growing from 6 to 10 inches high. Of compact growth with a profusion of satiny cup-shaped flowers in deep red, pink and white, shaded and blended. Valuable for bedding or massing.

**GOMPHRENA**, or **Globe Amaranth**, Mixed ..... Pkt., 5c  
A low growing hardy annual, everlasting or straw flower; about eight inches high, with globe-shaped flowers, in red or white. The plant makes a good border and is attractive, either while growing or dried.



Gypsophila—(Perennial Variety.)

**GOURDS**—(*Cucurbita*)—Mixed ..... Pkt., 5c  
A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Tender annual; ten to twenty feet high.

**GOURDS**—Separate varieties ..... Pkt., 10c  
Dipper, Nest Egg, Sugar Trough, Hercules Club.

**GYPSOPHILA**—(Annual)—Baby's Breath or Bridal Veil ..... Oz., 30c; Pkt., 5c  
Delicate, free flowering little plants covered with a profusion of white, small star-shaped flowers. Valuable in conjunction with other flowers for making bouquets. Will thrive anywhere. An annual that should be in every garden.

**GYPSOPHILA**—(Paniculata)—Perennial ..... Pkt., 10c  
A graceful hardy plant, fine for cutting for bouquets; flowers in feathery white panicles; height 1½ feet.

**GYPSOPHILA**—(Rokejeka)—Perennial ..... Pkt., 10c  
A beautiful tall growing type, with delicate rosy pink blossoms. New.

**HELIOTROPE**—Mixed ..... Pkt., 5c  
Blooms from seeds the first year and as early as Sweet Peas or balsams. Heliotrope, although a tender perennial, will bloom as easily from seed as any of the common annuals. Two feet.

**HELICHRYSUM**—(See Straw Flower.)

**HESPERIS**—(See "Sweet Rocket.")

**HOLLYHOCKS**—Our seeds of this have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming. Perennials. Four to six feet

**CHATER'S DOUBLE VARIETIES**—

Salmon	Pkt., 10c	Yellow	Pkt., 10c
Blood Red	Pkt., 10c	Rose	Pkt., 10c
White	Pkt., 10c	Maroon	Pkt., 10c
Pink	Pkt., 10c	Crimson	Pkt., 10c

Three Packets of any of the above varieties ..... 25c

Six Packets of any of the above varieties ..... 50c

Chaters Double Mixed ..... Pkt., 5c and 10c

Allegheny Semi-Double Fringed ..... Mixed pkt., 10c

**SINGLE ANNUAL VARIETIES**—

**HOLLYHOCK**—(Annual)—Single Mixed ..... Pkt., 10c

**HOLLYHOCK**—(Annual)—Single Red ..... Pkt., 10c

Hunnemannia—(Bush Eschscholtzia.)  
See Next Page.

**HUNNEMANIA OR BUSH ESCHSCHOLTZIA** ..... Pkt., 10c  
Known as the Santa Barbara Poppy. An erect-growing tender perennial, about two feet high. Foliage fine cut and feathery. Blossoms beautifully, cup-shaped, bright yellow and about three to four inches across. Stems long and smooth. There are few more satisfactory flowers in the garden than the Hunnemannia.

**HUMULUS—(Japanese Hop)** ..... Pkt., 10c  
Variegated Japanese Hop. Quick growing vine for veranda or trellis. Annual; not subject to insect pests; very handsome; stands drouth well. Twelve feet.

**HYACINTH BEAN—(See Dolichos.)**

**IPOMEA—(Mikado) (Japanese Morning Glory)** ..... Pkt., 10c  
New Improved Japanese Convolvulus of grand variety, flowers measuring from 4 to 5 inches across, great variety of colors, very handsome foliage.

**IPOMEA QUAMOCЛИT—(See Cypress Vine.)**

**ICE PLANT** ..... Pkt., 5c  
Pretty summer trailing annual for vases and rock work; leaves covered with ice-like drops.

**KENILWORTH IVY—(Linaria) Creeping Charlie** ..... Pkt., 10c  
A charming trailing plant, especially adopted for hanging baskets. Tender perennial.



Kochia Trichophylla.

**KOCHIA OR MEXICAN BURNING BUSH** ..... Pkt., 5c  
Grows quickly from seed sown in the open ground. The plants are of rounded or globe-like form. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire; makes a very good summer hedge. Hardy annual. Three feet.

**KUDZU VINE—(Pueraria Thunbergiana)** ..... Pkt., 10c  
To this must be awarded first place as the fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it becomes established there seems to be no limit to its growth. Its foliage is large and covers well; bears small racemes of rosy-purple, pea-shaped blossoms towards the close of August. A splendid subject for covering permanently verandas, dead trees, etc.

**LARKSPUR—(Annual Delphinium)**—This hardy annual is one of the best of garden plants. Sown indoors early in the season, and transplanted to the open ground as soon as safe from frost, will produce blooming plants in July, which will continue in flower until frost. A splendid cut flower.

Hyacinth Flowered—Dwarf, Double Mixed ..... Pkt., 10c  
Finest Mixed ..... Pkt., 5c  
For Perennial Varieties of Larkspur see **Delphinium**.

**LATHYRUS—(Everlasting Sweet Pea.)** See Sweet Peas.

**LINUM—(Scarlet Flax)** ..... Pkt., 5c  
Distinguished for their brilliant colored flowers which are crimson with black center, saucer-shaped, and very conspicuous in bed or border. The foliage of the plant is slender and delicate. Height 1½ feet. Hardy annuals.

**LINUM—(Perene)** ..... Pkt., 10c  
A fine deep blue variety, growing about 18 inches. Hardy perennial.

**LINUM—(Album)** ..... Pkt., 10c  
A handsome white variety of the hardy flax. Perennial.



Lupinus.

**LUPINUS, OR LUPINS**—Mixture of all colors ..... Pkt., 5c  
Hardy annuals in great variety, growing from one to three feet high, and bearing spikes of pea-shaped flowers. Of the easiest culture. Sow in the open ground and thin to six inches apart.

**LOBELIA—(Crystal Palace)—Blue** ..... Pkt., 10c  
An elegant and useful genus of plant of easy culture and well adapted for bedding. They make a neat edging for beds and are very effective in masses, being always completely covered with flowers. Annual. Six inches.

**LOBELIA—(Speciosa)** ..... Pkt., 5c  
A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Annual. Six inches.



Marigold—(African Double. See next page.)

## LOVE IN A MIST—(See Nigella.)

**MARIGOLD**—Old-time favorites of most easy culture and growth. One of the most showy annuals with their wonderful shades of yellow. Require a light soil and full exposure to the sun to get best results.

## AFRICAN MARIGOLDS—Tall. Three feet.

**Eldorado**—Flowers very large, imbricated and very double. Colors in all shades of yellow. .... Pkt., 10c

**Lemon Queen**—Large flowered variety with lemon yellow flowers. .... Pkt., 10c

**Orange Prince**—A very large and showy variety, with very double flowers of a rich deep golden-orange color. .... Pkt., 10c

**Tall African Double Mixed**..... Pkt., 5c

**Dwarf French Marigold**—The dwarf French Marigolds rarely exceeds one foot in height, and their most beautifully marked flowers of all shades of yellow and brown, are exceedingly attractive. Mixed ..... Pkt., 5c

## MATHIOLA EICORNIS—(Evening Scented Stock)

Pkt., 10c ..... Oz., 35c  
No annual in cultivation equals this in delicate perfume of its flowers. The pink and lilac blossoms partly close during the day, but expand and impart their fragrance in the evening. Include with your order a packet or two of Evening Stock. You will not regret it. Two feet.

**MATRICARIA**—(Feverfew)—Double white. .... Pkt., 10c  
A favorite bedding plant and profuse bloomer. Half-hardy perennial. Treat as an annual.

## MEXICAN BURNING BUSH—(See Kochia.)

## MIGNONETTE—

(Sweet Scented)

Pkt., 5c; oz., 25c

A well known hardy annual, producing dense, spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom till killed by frost. Thrives best in a cool temperature.



Mignonette—(Sweet Scented.)

**MIGNONETTE**—(Golden Machet) ..... Pkt., 10c; oz., 50c  
A compact growing variety with medium long, thick spikes of yellow florets.

**MIGNONETTE**—(Pure Machet) ..... Pkt., 10c; oz., 50c  
A compact growing variety with thick spikes and large florets of a reddish color.

**MIGNONETTE**—(Allan's Defiance) ..... Pkt., 10c  
Very fine, long spikes of whitish flowers, splendid for cutting.

**MIGNONETTE**—(Goliath) ..... Pkt., 10c  
Enormous spikes of double red flowers.

**MIGNONETTE**—(Victoria) ..... Pkt., 10c  
A large flowered crimson variety.

**MOON FLOWER** ..... Pkt., 5c  
So called from its rare peculiarity of blooming best at night, although it also expands its flowers on dull days. It is a beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

**MUSK PLANT**—(*Mimulus Moschatus*) ..... Pkt., 5c  
Foliation emits a strong musky perfume; yellow; fine for hanging baskets.

**MYOSOTIS**—(Forget-Me-Not) ..... Pkt., 5c  
Neat and beautiful little plants with star-like flowers; succeeding best in a shady, moist situation; half hardy perennials; blooming the first year from seed if sown early. The true Forget-Me-Not; beautiful blue flowers.

**MORNING GLORY**—(See *Convolvulus*.)

**MOURNING BRIDE**—(See *Scabiosa*.)

**NASTURTIUMS**—(Tall or Climbing)—Named varieties.

1/4 lb. ..... 50c; 1 oz., 20c; 1/2 oz., 10c

**Chameleon**—Bears different colored flowers on the same plant.

**Gold Garnet**—Orange yellow, with garnet blotches.

**King Theodore**—Deep maroon with dark foliage.

**Prince Henry**—Light yellow, mottled with scarlet.

**Vesuvius**—Salmon-rose, with dark foliage.

**NASTURTIUMS**—(Tall Prize Mixed) ..... Price, 1 lb., \$1.50  
1/4 lb., 40c; 2 oz., 25c; 1 oz., 15c; Pkt. ..... 5c  
For richness and variety of color these have no equal among Nasturtiums. Some of the most striking are: White, Shaded Carmine, Deep Maroon Throat, Golden Yellow, Shaded Brown Edges; Yellow, shaded and mottled Carmine; bright Yellow, etc.

**NASTURTIUMS**—(Dwarf)—Named varieties.

1/4 lb., 50c; 1 oz., 20c; 1/2 oz. ..... 10c

**Cloth of Gold**—Scarlet flowers and yellow foliage.

**Golden Queen**—Golden yellow with golden foliage.

**King of Tom Thumbs**—Glowing scarlet dark foliage.

**King Theodore**—Black-brown, with dark foliage. The darkest of them all.

**Prince Henry**—Light yellow mottled with scarlet.

**Vesuvius**—Brilliant salmon-rose, dark foliage.



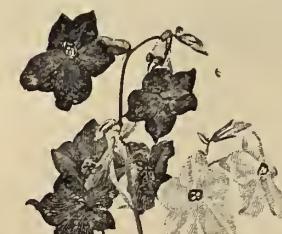
Tall or Climbing Nasturtiums.

**NASTURTIUMS**—  
(Dwarf Prize Mixture)  
—Price, 1 lb., \$1.50; 1/4  
lb., 40c; 2 ozs., 25c;  
1 oz., 15c; Pkt. ..... 5c

This is undoubtedly the finest mixture of Dwarf Nasturtiums offered anywhere.

Every shade is grown separately and we blend this mixture on our own premises, under our own personal supervision.

**MEMOPHILA**—(Love Grove)—Mixed ..... Pkt., 5c  
Of dwarf spreading habit. It is well adapted for border or pot culture. The flowers are exquisitely colored, blotched and spotted; they are quite apt to sport into an endless variety of shades, from black and blue to the lighter shades. Sow in spring and thin to 1 foot apart. Hardy annual; 6 inches high.



**NICOTIANA AFFINIS**—(Sweet Scented Tobacco Plant)—  
(Mixed)—Large flower. Half-hardy Annual. Three feet.  
Pkt. ..... 5c

**Hybrids** Pkt. ..... 10c  
Handsome garden plants of the tobacco family valuable for the long duration of their bloom. Flowers white, carmine-rose, or violet; is in full bloom during the day. Very floriferous. Hardy Annual Three feet.

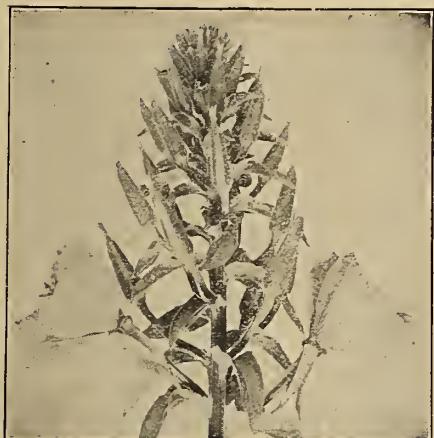


Nicotiana (Flowering Tobacco Plant.)



Nigella.

**NIGELLA DAMASCENA**—(Love-in-a-Mist or Devil-in-a-Bush)—This is a low growing annual, producing blue and white flowers in great profusion. The flowers are followed by curiously formed seed pods. The foliage is very pinnate or finely cut. Of compact habit. One foot. Mixed colors.....Pkt., 5c

Oenothera Rubicalyx.  
(Evening Primrose "California.")

#### OENOTHERA RUBICALYX

(California Evening Primrose)—This is a novelty among the evening primroses of great beauty for the garden. The combination of red stems with red buds and yellow flowers make it a beautiful and striking plant in any collection of hardy annuals.....Pkt. ....10c

## MASTODON PANSIES

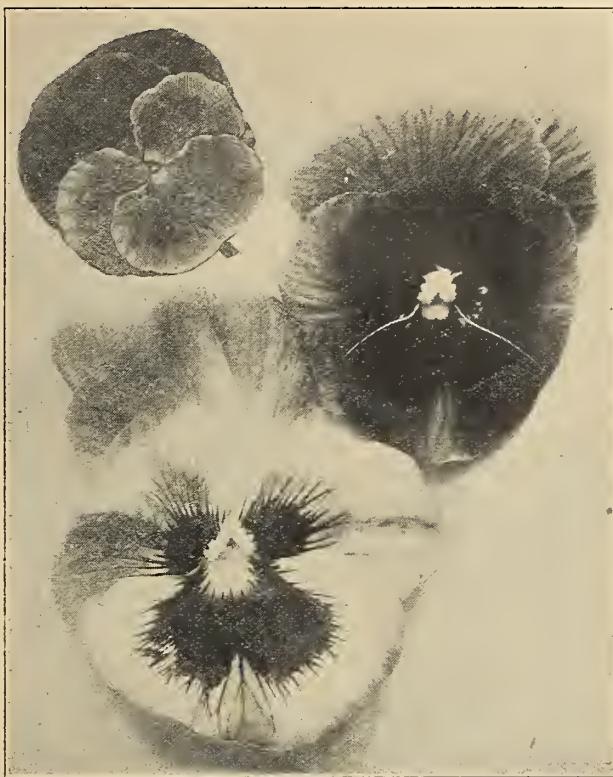
These popular flowers thrive best on a cool moist but well-drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for autumn blooming. The proper method is to sow in July or August and protect the plants during the winter when they will flower continuously the next spring and summer. Our Pansies are renowned as the most beautiful pansies in the world for size and color.

These are acknowledged to be the most handsome type of pansy extant. The plants are of strong robust growth, very hardy, bearing flowers of enormous size.

**BRONZE MASTODON**—Wonderful shades of bronze—from light burnished brass to deep bronze, wonderfully tinted with almost every shade known in pansies.....Pkt., 10c

**PANAMA PACIFIC**—A huge deep yellow, many with a dark eye, almost a velvety black, some flowers a solid yellow.....Pkt., 10c

**PRINCE HENRY**—A splendid Dark Blue of immense size. The finest dark blue known.....Pkt., 10c



**MADAME FERRETT**—A distinct type of Pansy, dark wine, pink and red, edges of petals edged with white, beautifully frilled flowers and veined with rich contrasting colors. Pkt.....10c

**PARISIAN YELLOW**—A pure yellow of grand form and size. Pkt. ....10c

**METEOR**—A most profuse bloomer of a wine red color. Invaluable for border work.....Pkt., 10c

**GRAND DUKE MICHEL**—(Improved *Candidissima*)—The finest and largest pure white pansy known.....Pkt., 10c

**WHITE MASTODON**—(With Dark Eye)—This is one of the largest pansies grown, the flowers are enormous.....Pkt., 10c

**BLACK MASTODON**—This beautiful pansy varies from a deep velvety purple to a satiny jet black, with blooms of immense size. A rare color.....Pkt., 10c

**MADAME STEELE**—(Elks Purple)—A beautiful and attractive shade with very large flowers.....Pkt., 10c

Fine Mixed Pansy .....Pkt., 5c;  $\frac{1}{4}$  oz., 50c

S. N. & S. Co.'s Peerless Mixed .....Pkt., 10c;  $\frac{1}{4}$  oz., \$1.25

S. N. & S. Co.'s Premium Mixed .....Pkt., 20c;  $\frac{1}{4}$  oz., \$1.50

## PETUNIAS

**PETUNIA**—(S. N. & S. Co.'s Double Mixed)

Pkt. ....25c

New large flowers; our strain is the best that can be secured from any source at any price, and of the most beautiful shades.



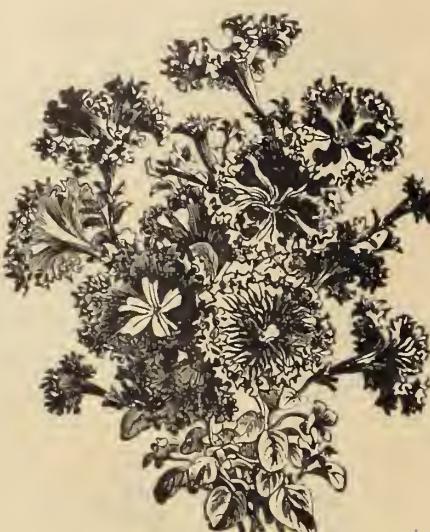
Petunia—S. N. &amp; S. Co.'s Double Mixed.

## PETUNIAS—Cont.

**PETUNIA—(Howard Star)**.....Pkt., 10c  
Crimson-maroon with a well defined five-pointed star of bluish white.

**PETUNIA**—Large flowering, fringed and ruffled. Height eighteen inches. Single mixed. Pkt. ....10c

**PETUNIA**—Blotched and Striped. A splendid selection of wonderful coloring. Pkt. ....10c



Petunia—(Single Fringed.)

## PHLOX—Drummondii



Unquestionably one of the finest annual bedding plants grown. Sown in the open ground, immediately all danger of frost is past, and in a few weeks they are a mass of brilliant new blooms, continuing until cut down by frost.  
**Alba**—Pure White.....Pkt., 10c  
**Fireball**—Fine Scarlet.....Pkt., 10c  
**Oculata**—White with Purple Eye. Pkt., 10c  
**Isabellina**—Yellow .....Pkt., 10c  
**Radowitzii**—Rose with white eye. Pkt., 10c  
**Peerless Mixed**.....Pkt., 10c  
**Fine Mixed.** Pkt., 10c



Double Carnation Flowered Poppies, and Child. Photograph from Mrs. Fred Haverty, Hall, Mont.

## POPPIES

Annual Poppies should be sown as early in the spring as possible; they do not stand transplanting. Sow very thinly, barely covering the seed. Press down firmly, and they will come up in a few days. It is well to make several sowings at intervals to keep up a succession of bloom. If picked just before expanded, the flowers will last several days. Two feet.

## SINGLE ANNUAL VARIETIES.

**POPPY—(Miss Sherwood)**—Satin white. Pkt., 10c; oz.,.....40c  
Shaded on fringed margin with salmon rose. Height 2 feet.

**POPPY—(Tulip or Glaucum Flowered)**—Pkt., 10c; oz.,.....40c  
Intense scarlet single blossoms. The brightest colored of all Poppies.

**POPPY—(Single Annual)**—Mixed colors. Pkt., 5c; oz.,.....25c  
Gorgeous colorings, easily grown from seed sown in the open ground, where they are to remain.

**POPPY—(The Shirley)**—Mixed Pkt., 10c; oz., 40c

An extra fine strain of charming Poppies. They are single and occasionally semi-double and range in colors from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood red, while many are dainty edged and striped. In fact so varied are they that scarcely any two flowers are alike.



Shirley Poppies.

**POPPY—Flanders**—The poppies of "No Man's Land." A most beautiful poppy with satin-like flowers and soft hairy foliage an immense variety of single blooms—in white, pink, apricot and shades of red. The petals are very dainty and appear as if made from crepe paper. This is the poppy that our soldier boys wrote so much about—growing on the fields of France—similar to the Shirley, but more graceful and attractive in size and coloring. Should have a place in every garden. Pkt., 10c; oz.,.....50c

**POPPY—(Dannebrog, or Danish Cross)**—Pkt., 5c; oz.,.....25c  
Very showy variety, producing large flowers of brilliant scarlet, with a silvery white spot on each petal, forming a white cross.

**POPPY—(Admiral)**—Pkt., 10c; oz.,.....40c  
White margined with brilliant scarlet. A very fine new color.

## DOUBLE ANNUAL VARIETIES.

These Poppies are very handsome. The flowers grow to an enormous size, from 6 to 7 inches in diameter, are as double as Peonies and the colors are very rich and striking.

**POPPY—(Double Carnation or Peony Flowered, Mixed)**. Pkt., 5c; oz.,.....25c  
Large, full, double fringed flowers, 2 feet high.

**POPPY—(Cardinal Scarlet)**—Pkt., 10c; oz.,.....30c  
Splendid double fringed flowers.

**POPPY—(White Swan or White Fringed)**—Immense double white flowers, beautifully fringed. Pkt., 10c; oz.,.....30c

**POPPY—(Double Salmon Pink)**—A beautiful shade and a favorite with all. Pkt., 10c; oz.,.....40c

**POPPY—(American Flag)**—Pkt., 10c; oz.,.....40c  
Beautiful variety; flowers very large and double; snow-white, bordered with scarlet.

## POPPIES—PERENNIAL VARIETIES.

Hardy perennials of easy culture; in bright glowing colors, bloom first year from seed.

**POPPY ORIENTAL—(Papaver Orientale)**—Pkt., .....10c  
This is the most gorgeous perennial Poppy flowering in June and July, with enormous blossoms often measuring 5 to 6 inches across, deep crimson, with a conspicuous black blotch on each petal. Transplanting should be done carefully. The best time to lift plants is in August. (See cut next page.)

**POPPY—(Oriental Hybrids)**—Mixed pkt., .....10c  
Beautiful hybrids of the Oriental Poppy, producing flowers of immense size, 6 inches and over in diameter, and of many novel colors, ranging from delicate shades of salmon to deep crimson.

**POPPY ICELAND—(Papaver Nudicaule)**—Pkt., .....10c  
Pretty tufted foliage, flowers on long wiry stems in shades of white, yellow and vermillion, with satiny crinkled petals; beautiful flowers in greatest variety of colors.



Oriental Poppy. (See Page 62.)

**PONTULACA**—(Moss Rose or Sun Plant)—Single Mixed Pkt., 5c

**PONTULACA**—Double Mixed ..... Pkt., 10c  
Low-growing or creeping tender annual six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant and gorgeous colors. The foliage and stems are thick. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground; excellent for embankments.

**PYRETHRUM AUREUM**—(Golden Feather) ..... Pkt., 10c  
A most desirable dwarf Pyrethrum for edging of borders, with golden yellow foliage. Half-hardy perennial. Six inches.

**PHYSALLIS**—Franchetti (Alkekengi) ..... Pkt., 10c  
The winter cherry. A splendid plant to grow in pots for winter decoration, bearing bright red fruit in great profusion. Known as Chinese Lantern Plant. Hardy perennial, treat as an annual. Two feet.

**RICINUS**—(See Castor Oil Bean.)



Salpiglossis (Finest Mixed.)

**SALPIGLOSSIS**—(Painted Tongue)—Finest Mixed, all colors. Pkt. ..... 5c

One of the greatest favorite annuals of easy culture, beautiful orchid-like flowers, produced from early summer until late fall. Seed should be sown early in spring in a hot bed or window and transplanted when weather is settled or directly out of doors after danger of frost. Two to three feet.

**SALPIGLOSSIS**—(New Emperor) ..... Pkt., 10c  
Large improved strain with a complete range of colors.

**SALVIA**—(Scarlet Sage) ..... Pkt., 5c  
A tender perennial, blooming the first season from seed. The blossoms are borne on long stems in racemes or spikes and are fragrant. The plant blooms profusely. Two feet.



Scabiosa (Mourning Bride)

**SCABIOSA**—(Mourning Bride, or Pincushion Flower)—They grow about 2½ feet high, and come into bloom early in July and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut, keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without Scabiosa, especially when flowers are wanted for cutting. Hardy annual.

**Azure Fairy**—Clear Lavender Blue ..... Pkt., 10c

**Snowball**—Pure white ..... Pkt., 10c

**Fiery Scarlet** ..... Pkt., 10c

**Tall Double Mixed** ..... Pkt., 10c

**Dwarf Choice Mixed** ..... Pkt., 5c

See Index on last page, for complete list of varieties of Seeds and Plants listed in this Catalog.



Schizanthus.

**SCHIZANTHUS—(Butterfly or Fringe Flower)**—Mixed Pkt., 5c  
Called the "poor man's orchid" on account of their easy culture and resemblance in form and variety of coloring to some of the floral aristocrats. Sown out of doors in spring where they are to remain, or started inside and transplanted when the weather is suitable. Hardy annual. One to two feet.

**SHAMROCK**—True small leaved..... Pkt., 10c

**SHASTA DAISY**—(See Chrysanthemum.)

**SNAPDRAGON**—(See Antirrhinum.)



Statice.

**STATICE—(Sea Lavender)**—Hybrids, mixed..... Pkt., 10c  
These useful plants bear everlasting flowers that last a long time after cutting, and are of very easy culture. Hardy perennial. Two feet.



Stocks.

## STOCKS

### (Gilliflower)

The stock is one of our very best annuals, either for bedding purposes or for pot culture. Their wonderful range of colors, and unequalled fragrance make them extremely valuable. Half hardy annual. Twelve to eighteen inches.

**Improved Large Flowering 10 Weeks Stocks.**

Blood Red	Pkt., 10c
Canary Yellow	Pkt., 10c
White	Pkt., 10c
Blue	Pkt., 10c
Purple	Pkt., 10c
Pink	Pkt., 10c
Mixed—All colors	Pkt., 5c

**MAMMOTH FLOWERING BEAUTY STOCKS**—Early flowering or winter stocks, of a very branching habit. Largely grown for winter cutting by florists, and for greenhouse decoration. For outdoor use, sow in March, will then bloom from July to frost.

**Beauty of Nice**—Flesh pink..... Pkt., 15c

**Princess Alice**—White ..... Pkt., 15c

**Queen Alexandria**—Rose ..... Pkt., 15c

**Stock Evening Scented**—See Matthiola Bicornis.

**VIRGINIA STOCKS**—Mixed ..... Pkt., 5c

**STRAWFLOWER—(Everlasting)**—These are pretty annuals with straw-like flowers that keep their form and color for years.

**Acroclinium**—Graceful and pretty half-hardy annuals, pretty in beds or pots ..... Pkt., 5c

**Ammobium Alatum**—Two feet. Large flowered, with handsome double white flowers; useful either in the garden or for winter bouquets; cut before the buds open..... Pkt., 10c

**Helichrysum**—Showy, easily grown annuals for the border; fine for winter bouquets; cut before the buds expand. Mixed colors ..... Pkt., 5c

**Xeranthemum**—A hardy annual, 1 foot high bearing handsome double flowers on long stems; colors mostly white, blue and purple; cut when fully developed. One of our best everlastings and easily grown ..... Pkt., 5c

**SUNFLOWER—(Mammoth Russian)**..... Pkt., 5c; lb., 25c

**SUNFLOWER—(Helianthus Californicus)**..... Pkt., 5c; oz., 25c  
Chrysanthemum flowered. Hardy annuals, growing from 3 to 6 feet. Large densely double golden flowers. Fine, long stout stems for cutting.

**SUNFLOWER—(Red New)** ..... Pkt., 10c  
Single, large red flowers, merging to yellow at tips of petals, very showy, height about 6 feet.

State Nursery & Seed Co.

Glasgow, Mont.

Helena, Mont.

Gentlemen:—The plants came today and I am very pleased with them. I only wish I had seen your catalogue before I had wasted my money on other firms that have given me no satisfaction. The plants came in splendid condition.

Sincerely yours,  
Mrs. M. J. Peters.

Sweet Rocket—(*Hesperis*)

**SWEET ROCKET—(*Hesperis*)**—Mixed Pkt., 5c  
A hardy perennial growing two feet high. A beautiful, fragrant flower of the easiest culture and bearing clusters of white and purple blossoms. Flowers in June and September.



Sweet William—(Single Mixed.)

**SWEET WILLIAM—(*Dianthus barbatus*)**—A beautiful sweet scented old-fashioned perennial. Grows one to two feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowerets are handsomely colored and marked. It makes a beautiful bedding plant and is of easy culture. Hardy perennial.

**SWEET WILLIAM**—Annual flowering. A new strain that blooms the first season. Flowers large, borne in great profusion and in beautifully assorted colors. Pkt. 10c

**SWEET WILLIAM—(Single Varieties)**—Mixed Pkt., 5c  
More attractive than the double.

**SWEET ALYSSUM**—(See *Alyssum*.)

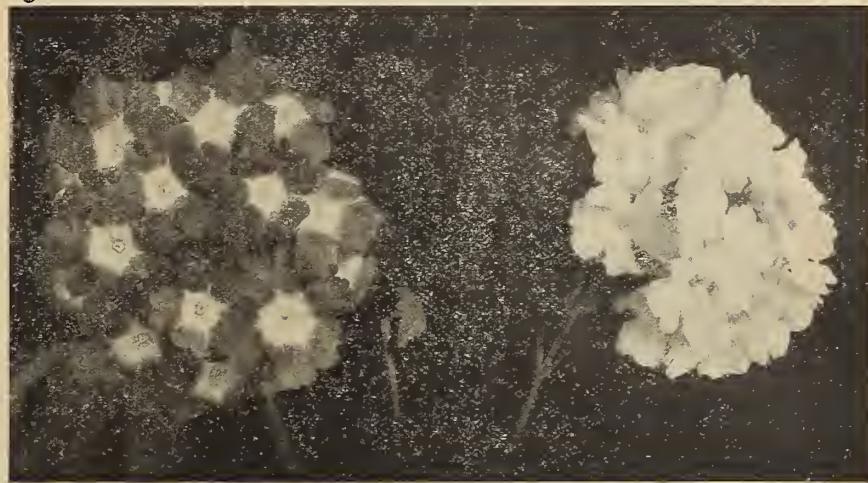
**SWEET PEAS**—(See pages 65-68.)

**THUNBERGIA—(Black-Eyed Susan)** Pkt., 5c  
A beautiful tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers having a distinct black center. Tender annual.

**VERONICA—(Speedwell)** Pkt., 10c  
A beautiful species, with rich deep blue flowers.

**WALLFLOWER—(Gold Luck)**—Single Mixed Pkt., 5c  
Wallflower should be better known, their adaptability for pot culture and out-door bedding and their very sweet odor should win favor. Eighteen inches.

**WALLFLOWER—(Early Paris Market)** Pkt., 10c  
This variety, if sown in March, will bloom in July. H. Annual.



Mammoth Verbennas.

## VERBENAS

Verbena seed should be soaked in luke warm water before planting and care taken that the soil be very rich. Half hardy perennial trailer.

### VERBENAS—MAMMOTH.

Pink	Pkt., 10c
White	Pkt., 10c
Purple	Pkt., 10c
Striped	Pkt., 10c
Scarlet	Pkt., 10c
Rose and Pink Shades	Pkt., 10c
Fine Mixed—All colors	Pkt., 5c
Peerless Mixed—Embracing a wide range of beautiful colors, the blooms being of mammoth size	Pkt., 10c

**VERBENAS—AURICULA EYED—(Choice Mixed)**—A most beautiful array of Auricula Eyed blooms of brilliant colorings. Pkt. 10c  
**Defiance**—Brilliant Scarlet Pkt., 10c  
**Firefly**—Red with small white eye Pkt., 10c  
**Lutea**—Yellow. A unique color among Verbenas. Very fine. Per pkt. 10c

**WHITLAVIA** Pkt., 5c  
An easily grown, hardy annual, bearing small violet-blue cup-shaped blossoms. Plants one foot high. Sow seed in open ground in spring and thin the young plants. One foot.

**WHITLAVIA GLOXINOIDES**—Blue with white throat Pkt., 10c

**WISTERIA—(Sinensis Purple)** Pkt., 5c  
One of our most popular hardy climbers. The flowers are abundantly borne in spring on long drooping racemes of light blue before the leaves appear.

**WISTERIA—(Sinensis Alba)**—White Pkt., 10c

**WILD CUCUMBER** Pkt., 5c; oz., 15c; 1/4 lb., 40c  
Ornamental climbing cucumber with curious fruit, remarkable for its luxuriance and rapidity of growth. Sow in the fall.

**WILD FLOWER GARDEN MIXTURE** Pkt., 5c; oz., 25c  
A delightful surprise to thousands of flower lovers. Not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard, in a promiscuous way.

**KERANTHEMUM, ETC.—(See Strawflower.)**

## ZINNIA

### (YOUTH AND OLD AGE.)

A half hardy annual growing from 1 to 2 feet high. The colors are in great variety and very bright. Probably no flower has such an assortment of shades, tints and colors, and no bedding plant is more effective for a brilliant show. Sow in boxes early and transplant.



Zinnia Elegans.

**ZINNIA ELEGANS**

## —Dwarf Double

White .....	Pkt., 10c
Scarlet .....	Pkt., 10c
Buff and Yellow....	Pkt., 10c
.....	Pkt., 10c
Crimson .....	Pkt., 10c
Striped .....	Pkt., 10c
Mixed .....	Pkt., 5c

terally covering itself with brilliant red blooms about one inch in diameter. Very effective both as a border plant and also when massed.

**ZINNIA—(Curled and Crested)**—Mixed Pkt., .....10c  
A fine mixture of colors. The petals are curled and the flowers large and attractive.



Zinnia Robusta.

**ZINNIA—ROBUSTA OR GIANT**

Tall Double—White .....	Pkt., 10c
Tall Double—Flesh .....	Pkt., 10c
Tall Double—Scarlet .....	Pkt., 10c
Tall Double—Yellow .....	Pkt., 10c
Tall Double—Crimson .....	Pkt., 10c
Tall Double—Mammoth Mixcl .....	Pkt., 10c

**ZINNIA GRACILLIMA COCCINEA—(Little Red Riding Hood)**  
Pkt., .....10c  
A superb dwarf variety growing about one foot high, and lit-

# Spencer Sweet Peas

## The Waved Type

Our Sweet Peas are carefully grown by experienced men from selected Stock Seed, and better seed cannot be had in this country than is supplied by us.

Our leaflet on Sweet Pea Culture is compiled especially for general conditions and contains valuable information for the Sweet Pea lover. We will mail you a copy Free on request.

### Alphabetical List of Spencer Sweet Peas for 1920

The true Spencer type should always bear on "open keel." The real determining feature of a true Spencer is found in the keel.

**AGRICOLA**—Faint lavender and blush. Per pkt., 10c; oz., 50c

**BLANCHE FERRY**—Per pkt., 10c; oz., 35c. A giant type of Spencer form with rose standard and wings white, suffused and tinted with light pink.

**APPLE BLOSSOM**—Per pkt., 10c; oz., 40c. Very large bold flower of best Spencer form. Standard very bright rose, wings primrose with flush of rose tint. A grand, robust variety.

**BLUE PICOTEE**—Per Pkt., 10c; oz., 50c. White beautifully edged with blue.

**ASTA OHN**—Per Pkt., 10c; oz., 40c. The best lavender Sweet Pea. Is more truly a soft pinkish lavender self. Flowers are very large and beautifully waved. A very charming variety.

**CAPTAIN OF THE BLUES or WAVERLY SPENCER**—Crop failed. Pure purple. The margin of the petals is marbled. Very large and distinct.

**AURORA**—Per pkt., 10c; oz., 35c. Flowers white, mottled and flaked with bright orange pink. Splendid form and nicely waved. A very pretty flower and one of the finest and largest Spencers.

**CHARM**—Per pkt., 10c; oz., 45c. The flowers are a glistening pure snow white, suffused with delicate flesh or flesh pink. New.

**BARBARA**—Per pkt., 10c; oz., 50c. Beautiful salmon shade.

**CHEERFUL**—Pkt., 10c; oz., 50c. Light apricot and mauve, on cream ground, beautifully shaded. New

**BERTRAND DEAL (Improved)**—Per pkt., 10c; oz., 50c. Large, rosy lilac of great vigor. Flowers of splendid form and substance. Very fine for cutting.

**COUNTESS**—Per pkt., 10c; oz., 50c. The original giant flowered Spencer with finest waved standard and wings clear pink, deepening somewhat towards the edge, but almost self-colored. Still one of the best Sweet Peas of today.

**DAZZLER**—Per pkt., 10c; oz., 50c. Brilliant orange pink.

**DOBBIES, GEO. HERBERT, LAVENDER**—Per pkt., 10c; oz., 50c. A very clear, bright lavender.

**DORIS USHER**—Per pkt., 10c; oz., 40c. Large salmon pink on cream ground.

**DUPLEX**—Crop failed. A rich cream pink. Practically all the plants give flowers with double or triple standards.

**ELFRIDA PEARSON**—Crop failed. Giant pale pink on white ground. Plants exceptionally vigorous. Most useful pink for decoration and exhibition.

**ELSIE HERBERT**—Per pkt., 10c; oz., 40c. White with pink edge.

**ENCHANTRESS**—Per pkt., 10c; oz., 45c. Bright pink, shading a little deeper at the edges. Practically the same as Countess.

**ETTA DYKE**—Per pkt., 10c; oz., 50c. Large white.

**FIERY CROSS—(New)**—A wonderful dazzling fiery scarlet, making the vines appear a sheet of waving fire. Undoubtedly the finest red Sweet Pea yet introduced. Does not burn or bleach in the hottest sun, requiring no shading to mature the finest blooms. The flowers are most profusely borne on long stiff stems, in threes and fours, and beautifully waved and curled.

Crop Failed.



Spencer Sweet Pea—George Herbert.

**FLORA NORTON**—Per pkt., 10c; oz., 35c. Very nicely waved. The color is bright blue with tint of purple.

**FLORENCE MORSE**—Per pkt., 10c; oz., 40c. Standard richly flushed with a beautiful and distinct shade of pink; wings soft blush pink, giving the flower a charming appearance; very large and wavy.

**GEO. HERBERT**—Per pkt., 10c; oz., 40c. A large Spencer rose crimson, suffused with magenta and showing veins in wings.

**HELEN LEWIS**—Per pkt., 10c; oz., 40c. A very large and fine orange salmon pink, with especially bright orange standard.

**HELEN PIERCE**—Per pkt., 10c; oz., 40c. White mottled with blue.

**HERCULES**—Per pkt., 10c; oz., 50c. A giant clear pink both standard and wings. Vigorous vines and fine long stems. Flowers extra large and fine.



Spencer Sweet Pea—Blanche Ferry.

**KING EDWARD**—Per pkt., 10c; oz., 50c. The best pure red Spencer, very large, with especially immense wings. Every one should grow this variety. Our strain is quite sun-proof.

**KING MANUEL**—Per pkt., 10c; oz., 40c. Giant maroon.

**KING WHITE**—Crop failed. Finest pure white in existence.

**MARK TEY**—Crop failed.

**MARY GARDEN**—Per pkt., 10c; oz., 40c. A very light cream pink. One of the new Spencers.

**MARIE CORELLI**—Per pkt., 10c; oz., 40c. A bright growing crimson almost self color. Fine large flower. Beautifully waved.

**MAUD HOLMES**—Per pkt., 10c; oz., 40c. Rich crimson Spencer, fine large flower and quite sun-proof. Practically synonymous with King Edward Spencer.

**MRS. HUGH DICKSON**—Per pkt., 10c; oz., 40c. The best cream pink Sweet Pea. The color is light salmon pink on cream ground. This variety has exceptional vigor and produces large flowers, four on each stem.

**MRS. ROUTZAHN**—Per pkt., 10c; oz., 40c. A beautiful blending of straw color, tinted with blush pink and shading to apricot and rose at edges.

**MRS. TOWNSEND**—Per pkt., 10c; oz., 40c. White ground, edged pale blue, large size and splendid form. Fine for exhibition and garden work.

**NEW MIRIAM BEAVER**—Per pkt., 10c; oz., 50c. The ladies' favorite wherever Sweet Peas are grown. It is the daintiest and most pleasing shade of pink yet introduced.

**NUBIAN**—Per pkt., 10c; oz., 50c. Beautiful rich deep chocolate, the best maroon. Vines vigorous producing long stout stems, carrying invariably four bold flowers.

**OTHELLO**—Per pkt., 10c; oz., 40c. Of immense size, with large, drooping wings, rich maroon, very dark and adapted for many attractive combinations. One of the best dark Sweet Peas.

**PARADISE IVORY**—Per pkt., 10c; oz., 50c. Cream with a suggestion of pink in the newly opened blossoms.

**PEACE**—Per pkt., 10c; oz., 50c. A beautiful soft pale pink. New.

**PRIMROSE**—Per pkt., 10c; oz., 50c. The finest of its class, clear primrose, beautifully waved flowers; large and mostly four blossoms on each stem.

**ROYAL PURPLE**—Per pkt., 10c; oz., 40c. A rich royal purple which holds its color throughout the season.

**SENATOR SPENCER**—Per pkt., 10c; oz., 50c. A beautiful shade, claret and chocolate stripe on light heliotrope ground.

**STERLING STENT**—Per pkt., 10c; oz., 40c. Glorious deep salmon suffused with orange; a beautiful Sweet Pea, especially in artificial light, but must be shaded to get true color.

**SUNPROOF CRIMSON**—Crop failed. A grand crimson Spencer. Flowers very large and nicely waved. Generally carries four blossoms on each stem.

**TENNANT**—Per pkt., 10c; oz., 30c. A large flowered rosy-purple. Shows a tendency toward magenta.

**THOS STEVENSON**—Per pkt., 10c; oz., 40c. Brilliant orange scarlet. Flowers splendid form and vines very vigorous.

**VERMILLION BRILLIANT**—Per pkt., 10c; oz., 50c. A large brilliant scarlet of brilliant form.

**WEDGEWOOD**—Crop failed. A clear bright, silvery blue with a faint suggestion of mauve in the standard. The color improves greatly in water, and as flower ages color brightens. Our strain has been pronounced the best blue Spencer, and we are glad to offer it.

**WHITE SPENCER**—Per pkt., 10c; oz., 55c. The best Spencer white. Flowers very large and magnificent. Spencer waved form. Stems as a rule carry four blossoms.

**ZEPHYR**—Crop failed. Blue.

SPENCER MIXTD HYBRIDS—  
 $\frac{1}{2}$  oz., 20c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00  
 1 lb., \$3.00, Postpaid. A splendid mixture, blended carefully. Has pleased thousands of our customers.

SPECIAL OFFER OF SPENCER SWEET PEAS.

We will send you one 10c package each of the 45 varieties listed (not including "Fiery Cross") for ..... \$4.25  
 Your choice of any 15 varieties, (not including "Fiery Cross") of 10c pkts. for ..... \$1.25  
 Our choice of any 15 varieties, for ..... \$1.00



Spencer Sweet Pea—Mrs. Hugh Dickson.

## Alphabetical List of Grandiflora Sweet Peas for 1920

The Grandiflora Type always bears a "Clamped Keel." The Anthess and Stigma are held compactly and are tightly enclosed in the keel.

	Oz.	1/4 lb.	1 lb.
AURORA—Orange rose, striped on white.....	\$.15	\$.50	\$1.65
AGNES ECKFORD—Very light pink.....	.15	.50	1.65
AMERICA—White ground flaked and striped with crimson.....	.15	.50	1.65
BLACK KNIGHT—Dark maroon, veined black.....	.15	.50	1.65
BLANCHE FERRY—Bright rose and white.....	.15	.50	1.65
BOLTON'S PINK—Salmon pink, veined rose.....	.15	.50	1.65
BLANCHE BURPEE—Pure white, large.....	.15	.50	1.65
COUNTESS or COUNTESS OF RADNOR—Lavender.....	.15	.50	1.65
DUKE OF WESTMINSTER—clear purple.....	.15	.50	1.65
EMILY HENDERSON—Pure white. White seeded.....	.15	.50	1.65
FLORA NORTON—Bright sky blue.....	.15	.50	1.65
FRANK DOLBY—Very fine lavender.....	.20	.60	.....
GLADYS UNWIN—Clear light pink.....	.15	.50	1.65
HELEN PIERCE—Bright blue mottled with white.....	.15	.50	1.65
KATHERINE TRACY—Soft pink.....	.15	.50	1.65
KING EDWARD VII.—Deep red.....	.15	.50	1.65
LADY G. HAMILTON—Light mauve.....	.15	.50	1.65
LORD NELSON—Dark blue.....	.15	.50	1.65
LOVELY—Deep pink.....	.15	.50	1.65
MRS. E. KENYON—Large clear primrose.....	.15	.50	1.65
MRS. COLLIER—Clear primrose yellow.....	.15	.50	1.65
MRS. GEO. HIGGINSON—Light lavender.....	.15	.50	1.65
MRS. WALTER WRIGHT—Rose purple.....	.15	.50	1.65
MISS WILMOTT—Orange pink.....	.15	.50	1.65
NAVY BLUE—Indigo and violet.....	.15	.50	1.65
NORA UNWIN—Very fine pure white. White seeded.....	.15	.50	1.65
OTHELLO—Very dark maroon.....	.15	.50	1.65
PRIMA DONNA—Pure pink, self colored.....	.15	.50	1.65
PRINCE OF WALES—Rose crimson.....	.15	.50	1.65
QUEEN ALEXANDER—Bright scarlet, red, self-colored.....	.15	.50	1.65
ROSE DU BARRI—Crimson orange.....	.15	.50	1.65
SALOPIAN—Pure red.....	.15	.50	1.65
SHASTA—Large white.....	.15	.50	1.65

### SWEET PEAS IN MIXED COLORS.

	Oz.	1/4 lb.	1 lb.
PEERLESS MIXED—The best Grandiflora Mixture, colors well proportioned .....	\$.10	\$.30	\$1.00
LIGHT COLORS MIXED—Our best mixed of all light colors.....	.10	.30	1.00
CUPID MIXED—Low growing, suitable for borders and driveways .....	.20	.60	\$2.00

### CHRISTMAS FLOWERING SWEET PEAS.

#### For Home Culture.

For those who have the convenience and room a few of the winter flowering Sweet Peas are a boon. We offer the following:

CHRISTMAS PINK—Pink .....	Pkt., 10c; Oz., 40c
MRS. ALEX WALLACE—Lavender .....	Pkt., 10c; Oz., 40c
MRS. C. H. TOTTY—Sky blue.....	Pkt., 10c; Oz., 40c
MRS. F. J. DOLANSKY—Clear pale pink.....	Pkt., 10c; Oz., 40c
MONT BLANC—White .....	Pkt., 10c; Oz., 40c
MIXED, ALL COLORS.....	Pkt., 10c; Oz., 40c

### LATHYRUS—Everlasting Sweet Pea.

A hard perennial climber, reaching a height of three to four feet. Extremely valuable for covering fences, and also for cut flowers. Bears profusely sweet pea like blooms.

**Red**.....Pkt., 10c; oz., 40c; **Pink**.....Pkt., 10c; oz., 40c; **White**.....Pkt., 10c; oz., 40c; **Mixed**.....Pkt., 10c; oz., 35c

# TO OUR CUSTOMERS

We issue the following list of Pamphlets and leaflets on the subjects named. They will be found of great value both to the amateur and also the more advanced gardener, and have been compiled by experts in their several lines.

**FRUITS—**

Strawberries and Bush Fruits.  
Standard Fruits.

**TREES, ETC.—**

Deciduous Trees and Shrubs.  
Evergreen Trees and Shrubs.  
Lawns—How to Prepare and Care for.  
Hardy Climbers.

**HARDY FLOWER GARDEN—**

Hardy Perennials; Peonies; Iris; Pansies; Violets; Asters.

**HOUSE AND GARDEN PLANTS—**

Ferns; Geraniums; Cyclamen; Dahlias; Sweet Peas;  
Roses; Care of House Plants; Palms in the House.

**VEGETABLE GARDEN—**

Asparagus; Forcing Asparagus and Rhubarb; Cabbage;  
and Cauliflower; Celery; Tomatoes; Onions; Lettuce;  
Melons; Hotbeds; Mushrooms.

**FARM CROPS—**

Alfalfa; Registered Grimm Alfalfa; Corn in Montana;  
Canada Field Peas; Brome Grass; Sweet Clover; Crops  
for Emergency.

**INSECTICIDES—SPECIAL TOOLS, ETC.—**

Black Leaf 40; Corona Insecticide Products; Weedeers;  
Planet Jr. Catalogs; etc.

We will be pleased to send any of the above in which

you are especially interested—free—on application.

## IMPORTANT NOTICE

The Seed and Nursery business of this country—like all non-essential industries suffered by enlistment and draft to a very large extent, and from which no lines have fully recovered. You can assist delivery of goods very materially BY PLACING YOUR ORDERS EARLY, thus allowing the available force to work to the best advantage. MAY WE HAVE YOUR CO-OPERATION?

## WORTH KNOWING

### How to Select Flower Seeds for Special Purposes

**Long-Stemmed Flowers From Seed Suitable for Bouquets or Vases.**

Aquilegia	Dahlias	Mignonette
Asters	Delphinium—H. P.	Poppy
Calliopsis	Dianthus	Salpiglossis
Carnation	Gillardia	Scabiosa
Centaurea	Gypsophila	Stocks
Chrysanthemum—H. P.	Larkspur	Sunflowers
Coreopsis	Lupinus	Sweet Peas
Cosmos	Marigold	Zinnias

**Fragrant Flowers from Seed.**  
Varieties Marked H. P. Are Hardy Perennial.

Abronia	Lavender—H. P.	Scabiosa
Alyssum	Mathiola	Stocks
Scabiosa	Carnations	Sweet Peas
Stocks	Dianthus Hardy	Mignonette
Sunflowers	Mimulus	Sweet William—H. P.
Sweet Peas	Geranium	Nicotiana
Zinnias	Heliotrope	Pinks—H. P.

**Ornamental Foliage Plants Grown from Seeds.**

Amaranthus	Coleus	Pyrethrum
Canna	Kochia	Aureum
Centaurea	Marvel of Peru	Ricinus

**Drooping Plants for Vases, Hanging Baskets, Etc.**

Nasturtium, Tall	Petunia
Oxalis	Vinca

**FARMERS READY REFERENCE BOOK**—The most complete farm book on the market. Every department of farm life covered in detail by experts. Each (Postpaid), 15c, while the supply on hand lasts. Well worth several times its cost.

**NATIONAL COOK BOOK**—A manual of Good Recipes, carefully chosen from the contributions of over two thousand successful cooks and chefs in this and foreign countries, also useful notes on the various classes of good things to eat. All of which have been carefully checked and re-checked by competent authority. Special attention has been given to Bread and Pastry Making and the various dainties dear to good cooks. Each (Postpaid), 15c, while the supply on hand lasts, in every respect the equal of any book of its kind ever published.

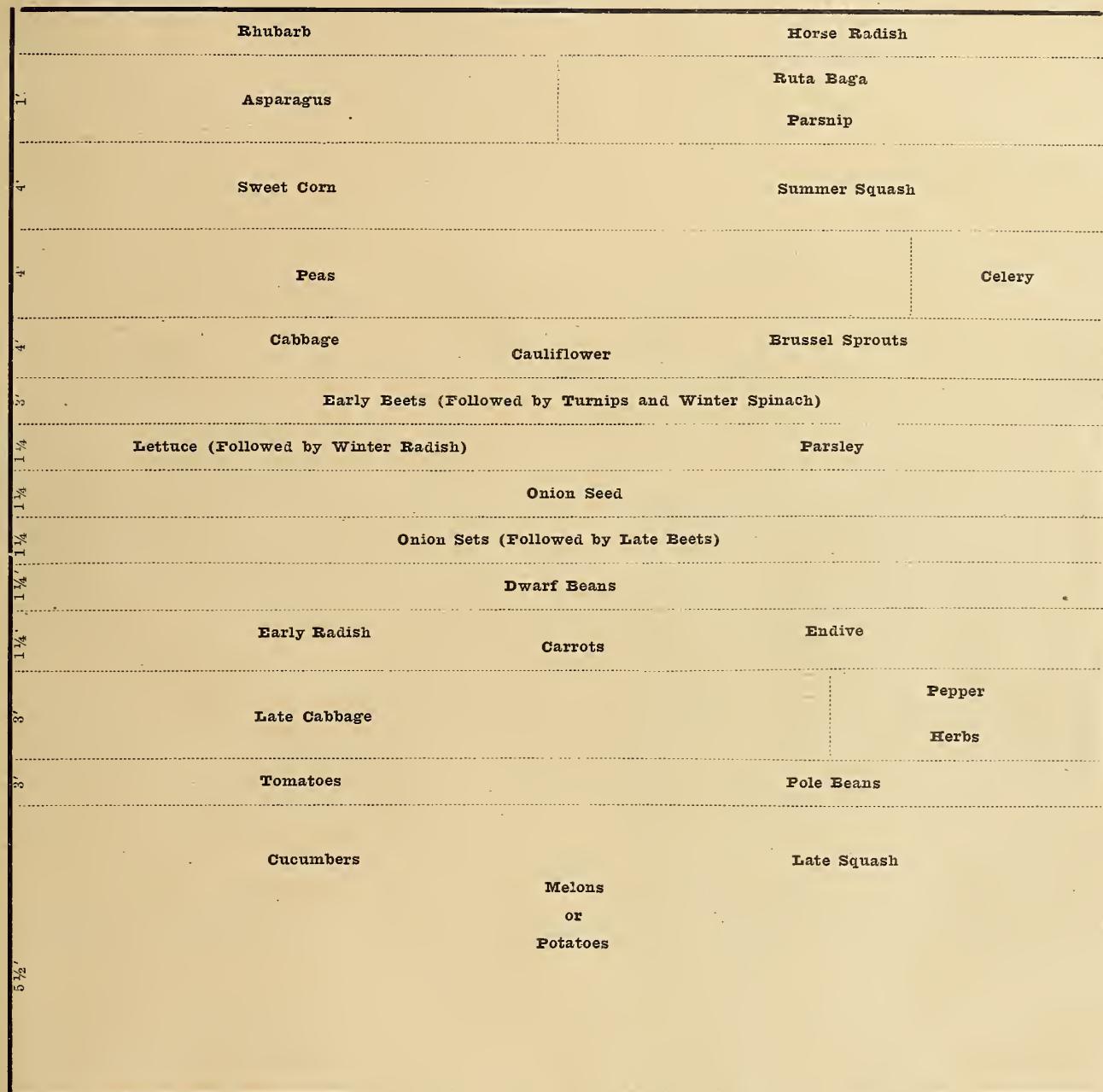
**SPECIAL FOR THE FARMER**—A set of 20 varieties of Farm Seeds, Alfalfa, Clovers, Millets, Grass Seeds, etc., mounted under glass, with seeding table accompanying. A most useful outfit for the farmer desiring to know seeds and to have the means of identification on hand. Price, (Postpaid), 25c.

**PLANT FOODS**—For your House Plants—See list of Insecticides, etc., on last pages.

**POULTRY FOODS AND REMEDIES**—We carry a complete line of Poultry Foods and Remedies. See last pages for list and prices.

# PLAN FOR HOME GARDEN

## WHERE SPACE IS LIMITED



For the convenience of those who have only a limited space at their command, the accompanying plan is suggested as an aid in laying out a small garden.

Where the rows are made the distances apart indicated on this diagram, thirty-five feet are required in one direction. If the rows are to run east and west, it is desirable to have the corn at the north end, otherwise the corn is likely to shade too much the rows near it on the north side. The rows may be as long as space permits or individual preferences may call for, and where space is less limited, more rows of favorite sorts may be added or provision made for other vegetables or flowers that may be desired.

Every garden should have its flowers. Plant a few Sweet Peas—Nasturtiums, Tall or Dwarf.

Our mixed varieties of Asters, Pansies, Petunias, Phlox, Poppies, Morning Glory, Marigolds, Mignonette, Verbenas and Zinnias are easily grown. A few packets of flower seeds will give you an abundance of beauty and pleasure. *Make the garden beautiful.*

# SEED COLLECTIONS

THESE COLLECTIONS, AT SPECIAL RATES, ARE PACKED BEFORE THE OPENING OF THE SEASON AND CANNOT BE CHANGED IN ANY WAY. WE PREPAY THE POSTAGE ON ALL COLLECTIONS.

## S. N. & S. CO.'S SCHOOL GIRLS' FLOWER SEED COLLECTION

Secure this collection for your daughters to encourage them to take an interest in the garden and make the home beautiful.

1 Pkt. Asters Finest Mixed.	1 Pkt. Mignonette Sweet.
1 Pkt. Calliopsis.	1 Pkt. Nasturtiums Mixed.
1 Pkt. California Poppy.	1 Pkt. Pansy.
1 Pkt. Marigold.	1 Pkt. Sweet Peas.

ALL FOR  
25c  
POSTPAID

SECURE THIS

ALL FOR  
25c  
POSTPAID

## S. N. & S. CO.'S SCHOOL BOYS'

### VEGETABLE COLLECTION

Secure this collection for your sons. Give them a garden of their own and watch the interest they will take encourage them.

1 Pkt. Beet Early Round Red.	1 Pkt. Lettuce Loose Leaf.
1 Pkt. Beans Yellow Wax.	1 Pkt. Onion Red.
1 Pkt. Cabbage Early.	1 Pkt. Peas Early.
1 Pkt. Carrot Early.	1 Pkt. Radish Early Round Red.

All for 25c Postpaid

## S. N. & S. CO.'S

### FARM GARDEN COLLECTION

FOR \$1.50.

1 Pkt. Beet Early Round Red.	1 Pkt. Musk Melon Early.
1/2 Pt. Beans Early Yellow Wax.	1 Pkt. Onion Red.
1/2 Pt. Beans Green Pod.	1 Pkt. Onion Yellow.
1 Pkt. Cabbage Early.	1 Pkt. Parsnip.
1 Pkt. Carrot Early.	1 Pkt. Parsley.
1 Pkt. Carrot Medium.	1/2 Pt. Peas Early Dwarf.
1/2 Pt. Corn Sweet Early.	1/2 Pt. Peas Medium.
1 Pkt. Cucumber Early.	1 Pkt. Radish Early Round Red.
1 Pkt. Cauliflower.	1 Pkt. Radish Long.
1 Pkt. Lettuce Loose Leaf.	1 Pkt. Turnip Early.
1 Pkt. Lettuce Head.	1 Pkt. Tomato Early.
	1 Pkt. Rutabaga American Purple Top.

This collection of Twentythree Large Size Packets and 1/2 Pints. Sufficient for a family garden. All for \$1.50 postpaid. THINK OF IT.

## S. N. & S. CO.'S GARDEN BEAUTIFUL COLLECTION

1 Pkt. Asters Finest Mixed.	1 Pkt. Marigold Mixed.
1 Pkt. Ageratum.	1 Pkt. Mignonette.
1 Pkt. Alyssum.	1 Pkt. Nigella.
1 Pkt. Balsam.	1 Pkt. Poppy Mixed.
1 Pkt. Candytuft.	1 Pkt. Phlox Mixed.
1 Pkt. Morning Glory.	1 Pkt. Nasturtium Mixed.
1 Pkt. California Poppy.	1 Pkt. Pansy Mixed.
	1 Oz. Sweet Peas Mixed.

The above collection will give you a continuous show of beautiful flowers from early spring until late fall.

50c

Postpaid

50c

## S. N. & S. CO.'S

### CITY GARDEN COLLECTION

1 Pkt. Beans Early Yellow Wax.	1 Pkt. Lettuce Loose Leaf.
1 Pkt. Beans Early Green Pod.	1 Pkt. Onion Red.
1 Pkt. Beet Early Round Red.	1 Pkt. Parsnip.
1 Pkt. Cabbage Early.	1 Pkt. Peas Early.
1 Pkt. Carrot Early.	1 Pkt. Peas Medium.
1 Pkt. Corn Sweet Early.	1 Pkt. Radish Early Round Red.
1 Pkt. Cucumber Early.	1 Pkt. Tomato Early.
	1 Pkt. Turnip Early.

16 Large Size Packets for only 50c Postpaid.

50c Postpaid

### PLANT A GARDEN

America's food supply helped materially to win the war, and now that peace has come we will be called upon to feed the millions of hungry people in Europe. Why not have a **Vegetable Garden** of your own? It will repay the expense many times over. Provide for yourself and have a surplus for the market if possible. Secure one of our flower and vegetable collections. Fresh vegetables direct from your own garden to your table.

We handle a complete line of Planet Jr. seeders, Cultivators and Barker Mulcher Weeders. Also a complete line of garden tools for the garden. See last pages of Catalog.

# General List of Vegetable Seeds

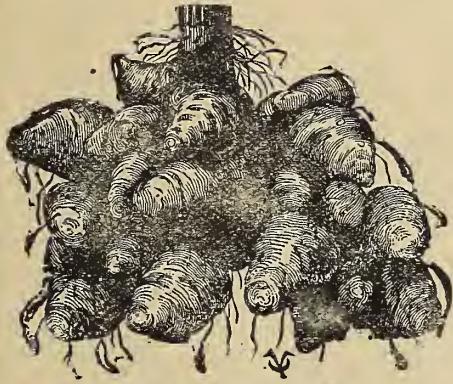
## VEGETABLE GARDEN TIME TABLE FOR PLANTING SEEDS From Practical Experience.

Asparagus	March to June	Cress (Pepper Grass)	May to July	Pepper (Hot bed)	March
Beans (All varieties)	May	Cress (Water)	May to July	Potatoes	May
Beets (Table varieties)	April to May	Corn	May 10 to 20	Pumpkin	May
Beets (Stock)	May	Cucumbers	May	Radish	April to July
Broccoli (Hot Bed)	March	Endive	April to July	Rhubarb	May to July
Brussels Sprouts (Hot Bed)	March	Kohl Rabi	May and June	Salsify	April and May
Cabbage (Early varieties, hot bed)	March	Kale	May	Spinach	April to August
Cabbage (Late varieties, hot bed)	April	Lettuce	April to May	Squash	May
Cabbage (Late, in open)	May	Leek	May	Sunflower	May
Carrots (Table varieties)	April and May	Melon (Water)	May	Turnip	April to May
Carrots (Stock)	May	Melon (Musk)	May	Tomato (Hot bed)	March
Cauliflower (Hot bed)	March	Onion Sets	March and April	Rutabaga	May and June
Celery (Early, hot bed)	March	Onion Seed	April and May		
Celery (Late, hot bed)	April	Onion Seed (to winter)	July and August		
Chervil	May to July	Parsnip	April		
		Parsley	May		
		Peas	April to June		

This table is for general use in Montana and has been compiled after much experience in vegetable gardening. This will apply to Idaho, Dakota and Wyoming, also.

United States Food Administration—License No. G-33773.

## ARTICHOKE



### ARTICHOKE

#### ROOTS — (Dry)

Farmed 1 lb.,  
(Postpaid), 25c, by

Express or Freight,  
1 lb., 20c; 10 lbs.,  
\$1.25.

Write for prices on  
larger quantities.

### JERUSALEM ARTICHOKE.

3 lbs. per 100 feet of row.

Most valuable food for hogs that can be grown. Every hog raiser should plant them. They are not only very healthful, but as a fattening agent are unexcelled. They yield very heavily, 300 to 350 bushels to the acre being realized on good soil. It is not necessary to dig them for if given an opportunity, the hogs will help themselves.

Artichokes need planting but once, and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows three and one-half feet apart. Plow deep, plant shallow, say two inches. The second year, break up the ground as for corn; they will come up thickly all over the surface. Those wishing to purchase should place orders early.

## ASPARAGUS

1 oz., 100 feet of drill.

Ger.—Spargel.

Sow early in the spring in drills 2 inches deep and 12 inches apart if to be cultivated by hand. One ounce of seed will make about 500 plants. When the plants are one or two years old transplant to rows 5 feet apart, and 18 inches apart in the row. Cover the soil 4 to 5 inches deep with well rotted manure and disc well—then plow as deep as possible and fine with harrow. Turn furrows 5 feet apart, about 6 inches deep. Place plants in these about 18 inches apart, with roots well spread out. Turn a light furrow back over them and level with the harrow by cross harrowing.

**ASPARAGUS—(Conover's Colossal)**—The favorite in our western market, having a pink tinge, and very fine flavor, of vigorous growth, none better.

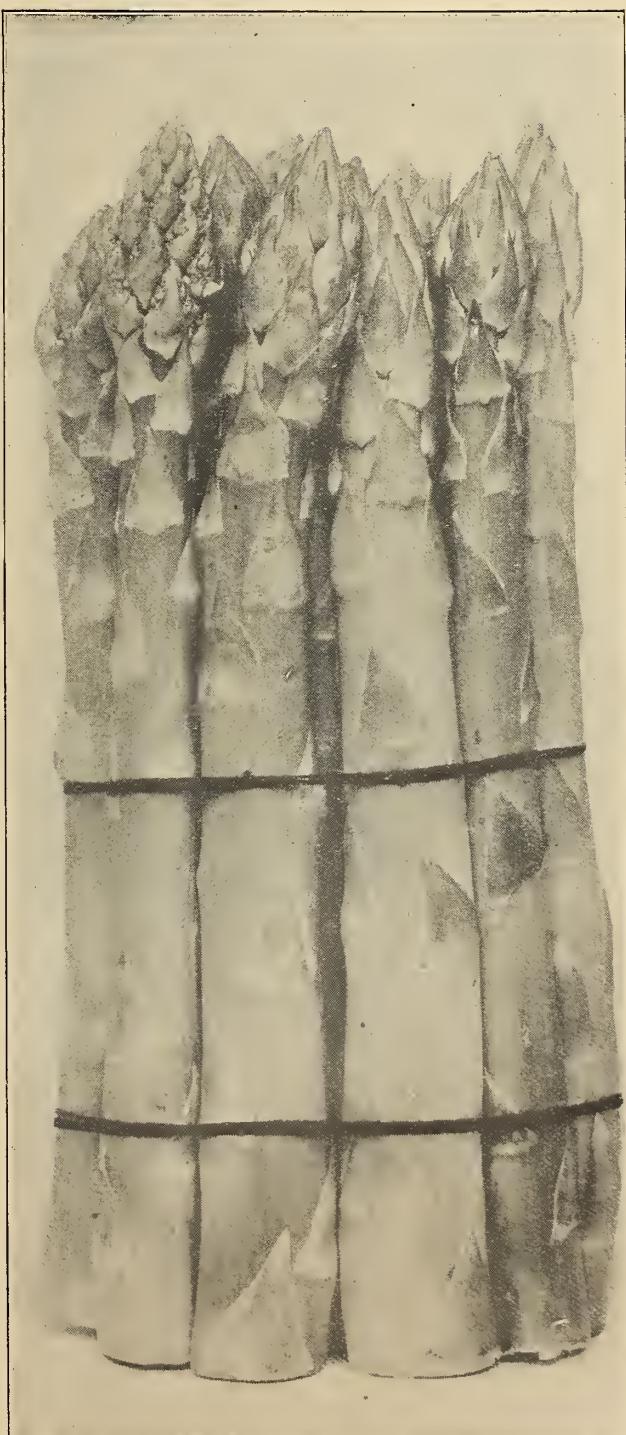
**ASPARAGUS—(Palmetto)**—The plants are strong and vigorous in growth, producing large, thick, dark green shoots, with a distinctly pointed head or tip.

**ASPARAGUS—(Bonvallet's Giant)** A year ahead of other varieties. The quickest yielding, heaviest producing, finest quality and most disease resisting of any variety. Market gardeners are discarding other well known sorts in favor of this variety.



**ASPARAGUS KNIFE—(American)**—This Asparagus knife is made of the best steel, cutting edges are hardened and tempered to stand rough usage. Used also as digger and weeder for long tap-rooted weeds such as Dandelions.

Each. 50c; Postpaid 60c.



ASPARAGUS.

Inoculate this  
Seed with  
FARMOGERM.

# BEANS

Inoculate this  
Seed with  
FARMOGERM.

Ger.—Bohnen.

(2 lbs. to 100 feet in drill, or 150 hills; 120 lbs. to the acre, in drills.)  
(1 lb. is a little more than a pint. 2 lbs. is a little more than a quart.)

Beans require a light friable soil, with plenty of moisture. In the garden, the soil should be made mellow and rich, and kept so. All pole varieties should be provided with poles or a trellis on which to climb. For a garden crop, a succession of sowing can be made from the first week in May until the middle of June. Sow in rows 18 to 24 inches apart and cover from 1 to 2 inches deep, but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if allowed to dry up. Hoe the rows occasionally. For farm crop, plant about 25 pounds per acre in rows 36 inches apart. Heavy clay or adobe soils are not suitable for beans.

SEE RED INSERT PAGE 80 FOR PRICES ON BEANS.



Improved Golden Wax.

#### YELLOW PODDED VARIETIES.

**Improved Golden Wax**—Probably the best known of all Wax Beans; it is the ideal Wax Bean; very prolific. Thick fleshed and stringless.

**Golden Eyed Wax**—Clear golden wax pods eighteen inches long. Early, large, flat pods free from rust and an excellent keeper. Beans white with golden yellow eye, very tender.

State Nursery & Seed Co.,  
Helena, Montana.

Gentlemen:—Last year I bought 25 Everbearing strawberry plants from you and same number from another firm. All the plants from you lived and bore some fruit, while only three plants from Iowa survived and bore no fruit.  
W. A. Whitcomb.

Culbertson, Mont. March 30, 1919.

**Improved Black Wax**—An old favorite, which is universally popular. Round, full, fleshy pods. Excellent flavor. Stringless and very tender.

**Davis' White Wax**—Is a very productive sort. Pods long, straight and thick. Beans white and kidney shaped, sweet and tender.

**Currie's Rust Proof Black Wax**—A very early, beautiful Wax Bean, bearing an abundance of crisp, tender, stringless pods, flat, long, meaty. It is absolutely rustproof, at least we have never seen any beans of this variety that were affected with rust. The vine is hardy and vigorous. The beans, when ripe are bluish-black and kidney shaped. An excellent shipper.

**Wardwell's Kidney Wax**—A prolific bean, with light colored pods, slightly curved. A kidney shaped bean, speckled in color. A first-class garden bean.



Curries' Rust-  
Proof Black Wax.

# BEANS

## Dwarf or Bush, Green Podded Varieties



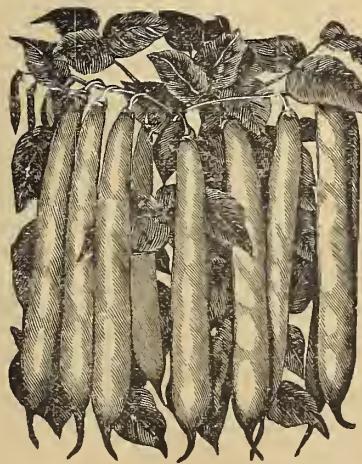
Long Yellow Six Weeks.

**Long Yellow Six Weeks**—Early, full, flat, green pod, an old favorite, productive and of excellent quality.

**Early Red Valentine**—Long, full cylindrical green pods, creased back, very fleshy, crisp and tender.

**Black Valentine**—A prolific yielder, similar to the Red Valentine, slightly larger, and a very tender bean. Black seeded.

**Late Refugee or 1000 to 1**—A very productive bean, exceedingly tender and of most excellent flavor. Pods are long, cylindrical light green and of good quality; mid-season and late use and excellent for pickling.

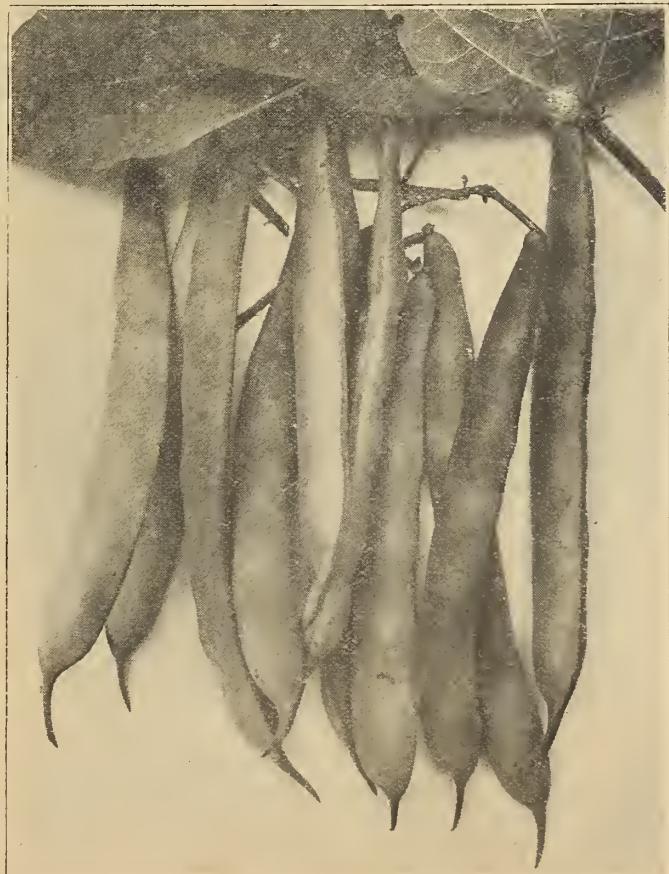


Beans (Late Refugee.)



Bountiful.

SEE RED INSERT—PAGE 80—FOR PRICES ON BEANS.



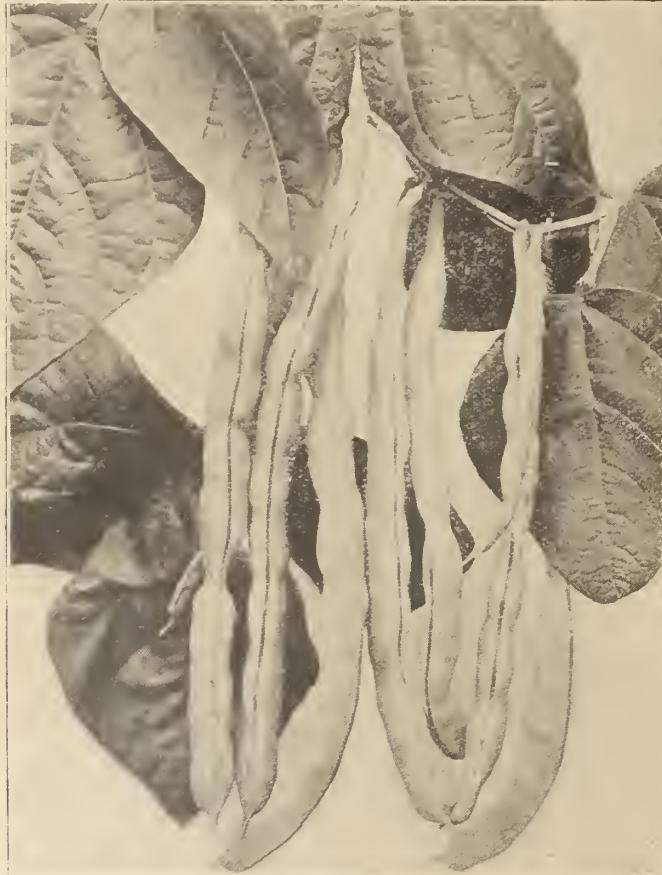
Stringless Green Pod.

**Stringless Green Pod**—An early variety, with long pale green pods. Keeps tender for a long time after reaching maturity.



Feltham Prolific.

BEANS—Pole or Running.



Kentucky Wonder.

**Kentucky Wonder or Old Homestead**—An enormously productive variety; entirely stringless, large tender pods: best pole bean for market gardeners.

**Scarlet Runner**—An English bean of great merit; very tender and sweet; also grown as ornamental flowering vine for trellises.

**Lazy Wife**—Immensely popular, pods medium dark green color, from  $4\frac{1}{2}$  to 6 inches long; very fleshy and stringless when ripe; an excellent shell bean.

This is a new dwarf French bush Bean. It is perhaps the heaviest cropper yet introduced, with rich green fleshy pods, crisp, tender and stringless. Remarkably quick in growth. A test of 4 ounces of seed, season of 1918 in Montana yielded 10 lbs. of dried beans.

Pkt.	10c
$\frac{1}{4}$ lb.	25c
$\frac{1}{2}$ lb.	45c
Lb.	75c
5 lbs. or more at	
	50c per lb. By express.

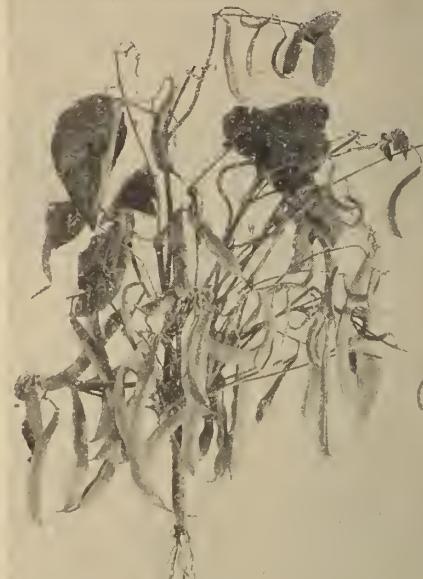
FOR PRICES ON BEANS SEE RED INSERT—PAGE 80.  
FIELD BEANS.

**Tree Navy Bean**—So called from its sturdy method of growth. Is smaller than the Improved Navy, snowy white, wonderfully productive. Write for sample and prices on Field Beans in quantity.

**Great Northern Navy Bean**—This variety seems to be especially adapted to Montana soil and climate, and is being grown in increasing quantity each season. In our opinion it leads all other varieties of Navy Beans—when the real test comes

—at the table. Its flavor and tenderness as a baked bean are “par excellence.”

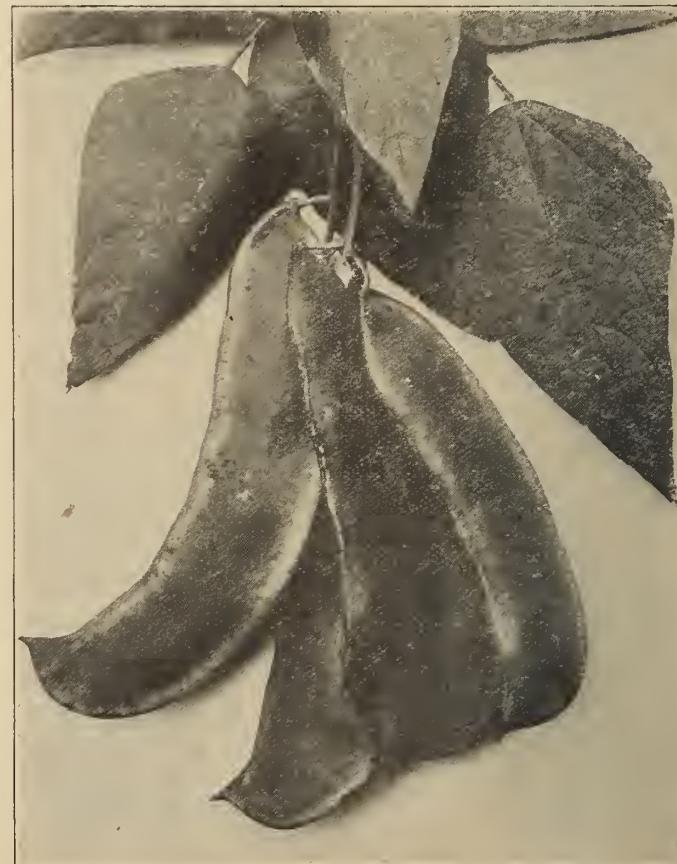
Sow 16 to 24 lbs. to the acre.



Great Northern Navy Bean.

**Improved White Navy**—The result of years of careful growing and selecting. Far superior in both quality and productiveness to the common sorts. The vine is of medium size, erect, bearing a profusion of long pods well up from the ground. The dry beans are small, pure white and of fine appearance.

BEANS—Dwarf or Bush Lima.



Fordhook Bush Lima—(See Next Page.)

**Fordhook Bush Lima**—A vigorous and erect growing type. The pods are of a medium green color, and contain three to five beans of exceptionally fine quality. Very productive, and matures early. Very popular for both home and market use.

**Burpee's Bush Lima**—Large white; is the earliest Lima Bean in cultivation; a great favorite for the family garden.

**Broad Windsor**—This bean is very hardy, and should be planted as soon as the soil is in good state in the spring. Plant four inches apart and 2 inches deep in drills three feet apart, to insure well filled pods, pinch off the tops as soon as pods begin to set.

## BROCCOLI

$\frac{1}{4}$  oz. to 100 feet of drill. 2 to 3 oz. to the acre.

Ger. Sparcelkohl.

Scand. Broccoli-kaal.

(One ounce will produce about 3,000 plants.)

Sow the first week in May in drills 3 or 4 inches apart, covering seeds lightly. When the leaves are about three inches broad, transplant to prepared beds 2 feet apart each way. Much resembles Cauliflower, cultivation the same.

**BROCCOLI**—(Snow White).....Pkt. 5c; oz. 60c;  $\frac{1}{4}$  lb. \$2.00

Pure white color; heads medium size, close and compact.

## TABLE BEETS

EAT WHEN YOUNG DIRECT FROM YOUR OWN GARDEN.

For Prices on Beets See Red Insert Page 80.

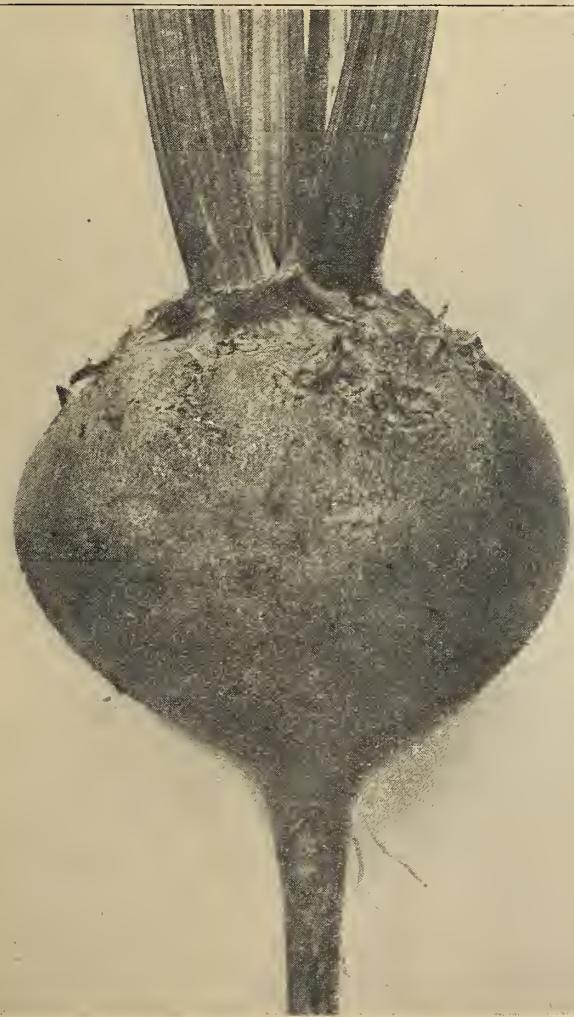
Ger. Rübe.

Scand. Rødebede.

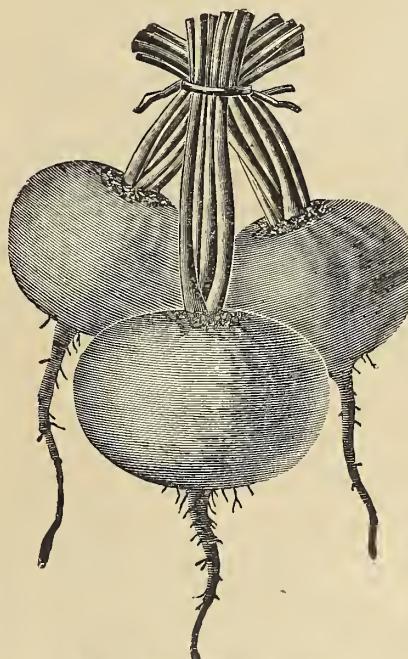
**HOW TO PLANT**—The soil should be rich and deeply plowed, say 8 to 10 inches. Sow in rows from 14 to 20 inches apart and about 1 to  $1\frac{1}{2}$  inches deep. About 6 pounds of seed to the acre for garden or stock feed and for sugar about 20 pounds of seed to the acre. As soon as the plants have the fifth and sixth leaf, thin to one plant each 8 inches. If under irrigation, water as soon as thinned. Cultivate often and do not water again until absolutely necessary, as the soil will dry from the surface down and the tap roots will follow. Careful tests have proven that one cultivation a week will give the best results. Keep clean and remember that cultivation is the next thing necessary after the best seeds and the two are necessary for success.

(One ounce to 100 feet of drill, 5 to 6 lbs., per acre.)

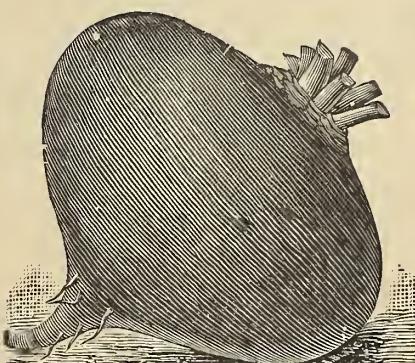
**Crimson Globe**—Beets may come and Beets may go, but still the Crimson Globe retains its position as the best Beet for the market gardener, as well as for the private garden. It is very symmetrical, with small tap root, and but few fibrous roots. color outside is deep blood-red; inside layers of blood red, light grained and unsurpassed in quality. One sowing only is necessary to produce early beets for market and main crop for winter use.



Beet—(Crimson Globe.)



Beet—Early Blood Turnip.



Extra Early Egyptian.

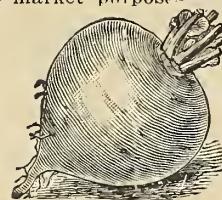
and a reliable winter keeper. It is a heavy beet without being hard to pull. It never becomes woody and is always good for table use or stock food, whether pulled young or old.

**Long Smooth Blood**—A very desirable variety for light soils where roots are easy to dig. Roots are slender, seldom more than two inches through, rather late, and are excellent winter keepers.

**Detroit Dark Red Turnip**—One of the best early Beets either for table or market; small top, early maturing, splendid shape and color, very crisp, tender and sweet.

**BEET**—(Market Gardener's) — See Crimson Globe.

**Early Blood Turnip**—An old standby; good for early or late planting. Of fine form, good flavor, red color. Very desirable for home or market purposes.



**Early Eclipse**—A fine table beet, globe shaped, flesh dark red zoned with pink. Sweet, crisp and tender, especially when young.

**Extra Early Egyptian**—The best variety for forcing and early first crop. Turnip shaped with dark red flesh and small tops. A splendid table beet and very early.

**Half Long Blood**—An excellent main crop beet. A great favorite as a table or field sort. Roots deep red in color and always symmetrical and smooth. In quality it is sweet, crisp and tender, and is an enormous cropper.

# SUGAR BEETS

(See Color Plate on Back Cover.)

5 to 6 Lbs. to the Acre.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality containing a large amount of sugar. They are excellent for feeding cows improving wonderfully the quantity and quality of the milk. Sugar Beets require deep, well enriched soil; sow in April and May in rows 18 inches apart and 6 to 8 inches apart in the rows. These and Mangels can be profitably grown on grain lands where summer fallowing is practiced. Any crops such as Beans, Corn, Beets, etc., which require cultivation, keeps the weeds down and leave the soil in better condition to produce the grain crop to follow.



Sugar Beet—  
Vilmorin's Improved.

**Klein's Wanzlebener**—Has rather long slender root, very rich in sugar; will yield under average conditions, 16 tons to the acre. All stock men know that sugar makes fat, and will realize its value as a stock food.

**Vilmorin's Improved**—This French variety is popular with sugar beet growers; contains a large percentage of sugar and requires less water than others.

**Giant Feeding Sugar Beet or Half Sugar White Mangel**—The most valuable of all for stock feeding, very heavy yielders, the favorite with stock feeders, very easily pulled, growing half out of the ground.

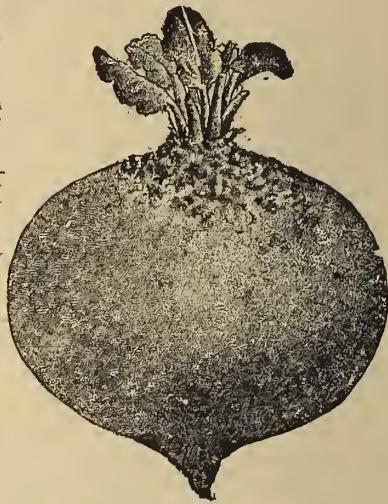
**Stock Feeding**—A Sugar Beet of large size, and is a very popular variety with cattlemen.

FOR PRICES SEE RED INSERT, PAGE 80.

# MANGEL WURZELS

5 to 6 lbs. to the acre.

An ever increasing acreage is being planted for stock feeding purposes, because of the wonderful results obtained from feeding them. Root crops are a great necessity for all kinds of stock, also chickens. Root feeding not only gives high class tissue building substance to the body, but acts as a tonic, keeping the digestive organs in a healthy condition. Root crops should be regularly fed to all stock. Results will show not only in appearance, but also in their increased weight, and in dairy stock will enrich and increase the flow of milk. The ground should be thoroughly prepared, and made firm and mellow. Sow in April and May in drills 2 to 3 feet apart. When 4 to 5 inches high thin to 12 to 15 inches apart. Harvest before frost and cut the tops off; by so doing danger of heating is avoided. Store in pits or cellars. If you have never grown these roots a trial will convince you of their value.



Mangel Wurzel—Yellow Globe.



Mangel Wurzel—Giant Red Eckendorf.

**Mammoth Long Red**—Immense yielder; very large, skin dark red; A favorite with the farmers and dairymen. Very nutritious.

**Golden Tankard**—Very fine grained yellow flesh, rich in milk producing qualities. Especially relished by sheep and cows.

**Danish Sludstrup**—Is considered the best of all Mangels, having been awarded first class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutrient found in any sort. It is very hardy, grows well above ground and is easily pulled.

**Giant Half Sugar Rose**—A magnificent sort, growing at least half out of the ground, rendering the crop easy to gather. Skin of the upper part is rose colored, and the lower part white. Flesh white tinged with rose.

**Giant Red Eckendorf**—A very popular variety grown in European countries where root crops are grown on a very large scale. The roots are smooth, long and cylindrical in shape, very much like the tankard mangels. They are very heavy, weighing from 15 to 20 pounds each. The flesh is firm, crisp and solid, white in color and of high feeding value. This variety is easily harvested, growing half above ground.

**Giant Yellow Eckendorf**—The same as the Giant Red variety except the skin is yellow. Very desirable in all respects.

**Yellow Globe**—An especially good variety to grow if one has a limited supply of water; a great favorite for dairymen, making a wonderful increase in milk; easy to pull and harvest; tops are small.

**Red Leviathan**—Makes a large, magnificent root, growing half above ground and easily lifted; an enormous cropper and good keeper. It is of even shape, with smooth skin. Flesh firm and sweet.

For Prices on all Vegetable Seeds not quoted—see Red Insert—Page 80.



### SWISS CHARD

2 oz. to 100 feet of drill.

Ger.—Briskohl.

Scand.—Bladbed.

**SWISS CHARD—(Or Sea Kale Beet)**—Although little known in America, this vegetable is worthy of a place in every garden. The leaf and the leaf stem are the parts used and they are much superior to those of other beets to use as greens. Later in the season the broad, flat beautiful wax-like leaf stems are cooked as a salad or pickled.

### BRUSSEL SPROUTS

Ger.—Rosenkohl.

Scand.—Rosenkaal.



**BRUSSELS SPROUTS**—Species of cabbage, cultivation the same. One ounce will grow a bed of 40 square feet and produce about 300 plants. This is a delicious vegetable, superior to either Broccoli or Spinach. The cabbage-like heads which grow upon the stem are much improved by a moderate frost. Sow in hot beds in March or April, and in the open ground in May; cultivate same as Broccoli.

**Improved Half Dwarf** — Pkt. 5c; oz., 50c;  $\frac{1}{4}$  lb. .... \$1.75  
An improved variety growing about 20 inches high; produces sprouts in abundance, cut out head of plant when sprouts have formed.

We handle *Planet Jr. Seeders, Cultivators and Barker Mulcher Weeders.*

SEE LAST PAGES OF CATALOG

## CABBAGE

$\frac{1}{4}$  oz. to 100 feet of drill.

Ger.—Kopfkohl.

Scand.—Hovedkaal.

One ounce will produce 3,000 plants; one-quarter pound will produce plants for one acre.

The soil should be deep and rich. For early crop grow plants in hot beds, transplanting to cold frames and then as early as possible after danger of freezing to the open ground. Cultivate often and keep well watered if under irrigation. For late crops sow seed in open ground and transplant, or some succeed well by sowing seeds in hills where wanted and thinning to one. This avoids the necessity of waiting for a damp time to transplant.

### EXTRA EARLY VARIETIES.

For Prices See Red Insert—Page 80.

**Early Jersey Wakefield**—This has been for many years the leading early Cabbage in America. The main difficulty has been to get a perfectly satisfactory and reliable strain of seed. Buyers will find Early Jersey Wakefield the genuine article. It has few outer leaves, and in compactness and regularity cannot be surpassed. The thick stout leaves and compact habit make it the best sort for very early setting. It frequently matures inside of 100 days from sowing.



Cabbage (Early Winningstadt.)

**Early Winningstadt**—This is another old and famous type of early Cabbage but as in the case of Wakefield, the main difficulty is to get a strain of seed representing the highest grade of excellence. Such a strain will be found in our Winningstadt. It is almost as early as Wakefield. It is a sure header, even where other sorts may fail and seems to be less liable to the attacks of Cabbage worm than many other varieties.



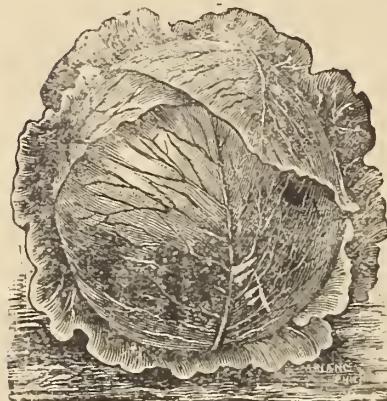
Cabbage (Copenhagen Market.)

**Copenhagen Market**—A new early variety, which is very popular with market gardeners. It is the finest large, round-headed early Cabbage in cultivation. It is further desirable on account of the remarkable characteristic of maturing the heads all at the same time, enabling the grower to gather his crop with less expense and permitting the cleaning of the land at the first cutting. The heads average about ten pounds each in weight, are hard and solid and with small core. The quality is extra fine and sweet. It matures as early as the Wakefield and will yield more to the acre in weight. It is a short-stemmed variety, the heads nearly resting on the ground. The leaves are light green, rather small, saucer shaped and tightly folded, making it possible to set them close together in the field.

**Glory of Enkhuizen**—The earliest and largest white Cabbage—attractive for market purposes. Solid with large ball shaped heads thin-ribbed and hard, few outside leaves; exceedingly tender. Is a dwarf and compact grower; allowing close planting; will yield more tons per acre than any other variety.

**Extra Early Express**—This variety has produced fair-sized marketable heads in 80 days from the sowing of the seed. There are few loose leaves and almost every plant forms a head. It can be planted close and yields a large crop.

## Cabbages--Second Early Varieties



Cabbage—Improved Brunswick.

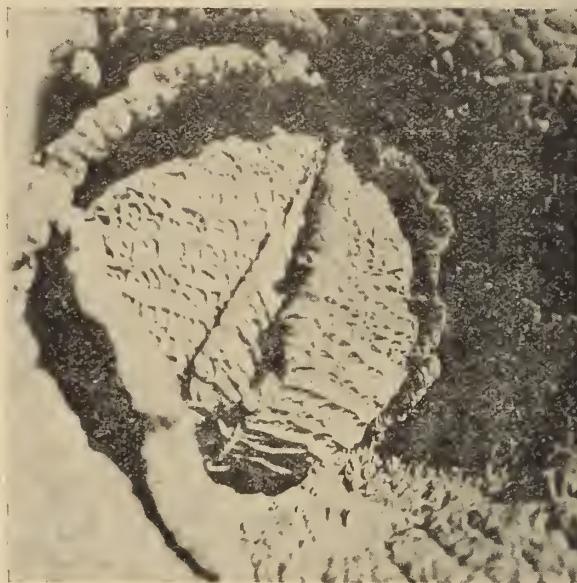
**Improved Brunswick**—An ideal second early variety of drumhead type. Desirable for the home garden, dwarf and compact. Is good for Summer, Autumn and Winter crop. Desirable for all sorts of planting.

**All Head**—A large heading variety, heads very flat and compact. Can be planted as close as the Jersey Wakefield, having few outside leaves.

**Early Summer**—It is the earliest of large Cabbages, being at least a week in advance of any other strains of Early Summer. The deep flat heads are remarkably uniform in shape, size and color. Good quality and tenderness are marked features.

**CABBAGE—(Danish Roundhead)—(Short Stem)**—This is an improved form of the Danish Ball Head, and will average more in weight per head than the old parent type. Shorter stemmed, very vigorous and has developed a wonderful capacity for withstanding hot sun. Inside leaves blanch pure white, very solid, and exceedingly crisp and tender.

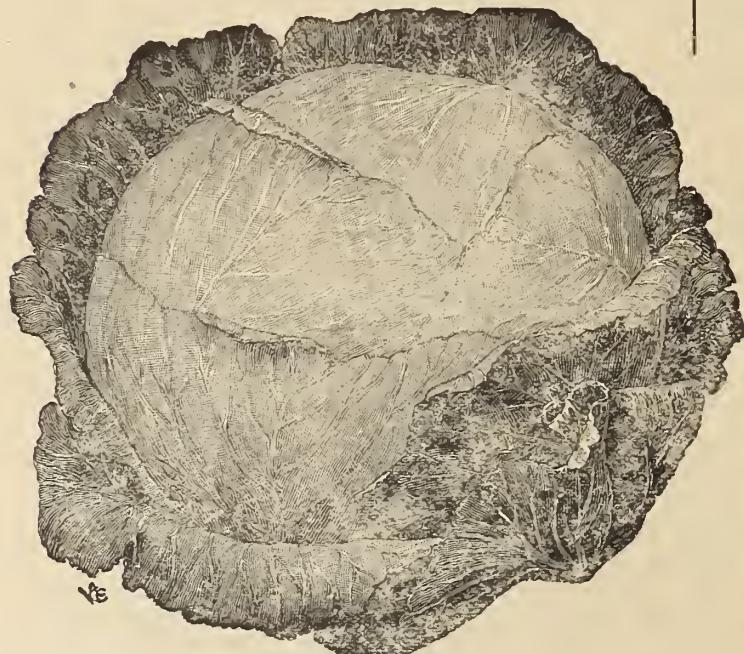
**Red Rock**—Used principally for pickling, good color and solid heads.



Cabbage—Savoy.

## Late or Winter Varieties

FOR PRICES SEE RED INSERT—PAGE 80.



Cabbage—Large Late Flat Dutch.

**Large Late Flat Dutch**—A low growing variety, heads large, bluish green, round solid broad and flat on top; an excellent fall and winter variety, and a good keeper. It is a sure header.

**Hollander or Danish Ball Head**—Very hardy, handsome, very solid, of fine quality. Plant vigorous compact growing, with longer stem than most American sorts and exceedingly hardy in resisting cold and dry weather; leaves large, thick, bluish green covered with whitish bloom. Heads medium sized, round very solid, and stands shipment better than any other late sort.

**Surehead**—For main crop is unexcelled; large flattish round heads, fine and solid; always "heads."

**Drumhead Savoy**—Should be more generally sown; delicious after slightly frosted.



Pe Tsai—Chinese Cabbage—Blanched Head.

**Chinese Pe Tsai or Celery Cabbage**—This Chinese introduction is really of great merit, growing somewhat like the Cos Lettuce. Boiled and seasoned with butter, it makes a most delectable dish, and is also a splendid base for salads. Sow rather later than ordinary Cabbages—as too early sowings have a tendency to run to seed too quickly.

JANUARY 1920

STATE NURSERY AND SEED CO.,

HELENA,  
MONTANA

*Price List of Vegetable and Field Seeds*

(ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE)

**IMPORTANT—READ CAREFULLY**

We pay postage on all seeds quoted in packets, ounces,  $\frac{1}{4}$  pints, and  $\frac{1}{2}$  lbs., also on 1 lb. where specified. On all orders—where the individual items of any kind are wanted in quantities of 1 lb. or more, and are not quoted as P P (Postpaid) ADD POSTAGE—if desired by parcel post. Otherwise, all orders will be sent by express or freight, at the purchaser's expense.

1 lb. is little more than 1 pint; 2 lbs. is little more than 1 quart.

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**ARTICHOKEs**—Crop failed.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
ASPARAGUS				
Conover's Colossal	.05	.10	.30	.90
Palmetto	.05	.10	.30	.90
Bonvallets' Giant	.05	.15	.35	1.25
Asparagus Knife, see page 73, each, 50c; postpaid				.60c
Asparagus Roots,—see page 46.				

**PAGE 74**

	Pkt.	$\frac{1}{2}$ pt.	Lb.
Improved Golden Wax	.05	.20	.40
Golden Eye Wax	.05	...	.35
Davis White Wax	.05	.20	.35
Improved Black Wax	.05	.20	.40
Curries' Rust Proof Black Wax	.05	.20	.40
Wardwell's Kidney Wax	.05	.20	.40

**PAGE 75**

	Pkt.	$\frac{1}{2}$ pt.	Lb.
Long Yellow Six Weeks	.05	.20	.35
Early Red Valentine	.05	.20	.35
Black Valentine	.05	...	.35
Late Refugee or 1000-1	.05	.20	.35
Bountiful	.05	.20	.35
Stringless Green Pod	.05	.20	.40

**PAGE 76**

	Pkt.	$\frac{1}{4}$ lb.	Lb.
Feltham Prolific	.10	.25	.75
		Pkt.	$\frac{1}{2}$ pt.
Kentucky Wonder	.05	.20	.40
Scarlet Runner	.05	.20	.40
Lazy Wife	.05	.20	.40
Tree Navy	.05	...	.25
Great Northern Navy	...	...	.25
Improved White Navy	.05	.15	.25

**PAGE 77**

	Pkt.	$\frac{1}{2}$ pt.	Lb.
Fordhook Bush Lima	.05	.20	.50
Burpees Bush Lima	.05	.20	.50
Broad Windsor	.05	...	.50

On any of the above varieties of Beans. in lots of 5 lbs. or more, deduct 5c per lb. when ordered by express or freight, not prepaid.

Pkt. Oz.  $\frac{1}{4}$  lb.

	Pkt.	Oz.	$\frac{1}{4}$ lb.
BROCCOLI—Snow White	.05	.60	2.00

**BEETS—For Table Use**

	Pkt.	Oz.	$\frac{1}{2}$ pt.	lb. PP
Crimson Globe	.05	.15	...	1.75
Detroit Dark Red Turnip	.05	.15	...	1.50
Extra Early Egyptian	.05	.15	.25	1.50
Early Eclipse	.05	.15	.25	1.50
Early Blood Turnip	.05	.15	.25	1.35
Long Smooth Blood	.05	.15	...	1.25
Half Long Blood	.05	.15	...	1.25

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	Pkt.	$\frac{1}{2}$ pt.	lb. PP	10 lbs.	By	Exp.
Klein Wanzlebener	.05	.25	1.50	14.50		
Vilmorin's Improved	.05	.25	1.50	14.50		
Giant Feeding Sugar Beet	.05	...	1.25	12.00		
Stock Feeding	.05	...	1.25	12.00		

**MANGEL WURZEL**

	Pkt.	$\frac{1}{2}$ pt.	lb. PP	10 lbs.	By	Exp.
Mammoth Long Red	.05	.20	...	.85	8.00	
Golden Tankard	.05	...	...	.80	7.50	
Danish Sludstrup	.05	...	...	.80	7.50	
Giant Half Sugar Rose	.05	...	...	.80	7.50	
Giant Red Eckendorf	.05	...	...	.80	7.50	
Giant Yellow Eckendorf	.05	...	...	.80	7.50	
Red Leviathan	.05	...	...	.80	7.50	
Yellow Globe	.05	.20	1.00		9.50	

Write for special prices on 25 lb. lots and larger quantities.

**PAGE 79**

	Pkt.	Oz.	$\frac{1}{4}$ lb.	lb. PP
SWISS CHARD	.05	.20	.60	2.00

**BRUSSEL SPROUTS**

	Pkt.	.45	1.50	.....
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**CABBAGE**

	Early Jersey Wakefield	.05	.75	2.45	7.25
	Early Winningstadt	.05	.60	1.80	6.25
	Copenhagen Market	.10	.90	2.60	9.00

**CABBAGE**

	Glory of Enkhuizen	.10	.85	2.50	8.50
	Extra Early Express	.05	.55	1.80	6.50
	Improved Brunswick	.05	.60	1.80	6.00
	Early Summer	.05	.60	1.80	6.50
	Large Late Flat Dutch	.05	.50	1.65	6.00
	Hollander or Danish Ball Head	.05	.85	2.50	8.50
	Surehead	.05	.50	1.65	6.00
	Danish Roundhead	.05	.85	2.50	8.50
	Red Rock	.05	.90	2.60	9.00
	Savoy—Drumhead	.05	.60	1.80	6.00
	Chinese Pe Tasi or Celery Cabbage	.10	.60	1.80	6.00

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	Pkt.	Oz.	$\frac{1}{2}$ pt.	$\frac{1}{4}$ lb.	lb. PP	By	Exp.
CARROTS	.05	.20	...	.65	1.75		
French Forcing	.05	.20	...	.50	1.50		
Early Scarlet Horn	.05	.15	.40	.45	1.30		
Oxheart or Guerande	.05	.15	...	.40	1.25		
Early Chantenay	.05	.15	...	.40	1.25		
Danver's Half Long	.05	.20	.40	.50	1.50		
Half Long Scarlet Stump Rooted	.05	.15	...	.40	1.25		
Improved Long Orange	.05	.15	...	.40	1.25		

**STOCK CARROT**

	$\frac{1}{2}$ pt.	$\frac{1}{4}$ lb.	lb. PP	10 lbs.	By	Exp.
White Belgian		.30	.90	8.50		
Victoria	.25	.30	.90	8.50		
Mastodon		.30	1.10	10.00		

**CAULIFLOWER**

	Pkt.	$\frac{1}{4}$ oz.	Oz.	$\frac{1}{4}$ lb.	By	Exp.
Early Snowball	.25	1.15	4.00	14.00		
Early Dwarf Erfurt	.15	1.10	4.00	12.00		
Dry Weather or Danish Giant	.15	1.15	4.00	14.00		
Early Paris	.10	.85	3.00	10.00		

**PAGE 81**

	$\frac{1}{2}$ pt.	$\frac{1}{4}$ lb.	lb. PP	10 lbs.	By	Exp.
CELERIAC	.05	.....	.25	.75		

## PAGE 82

	Pkt.	Oz.	1/4 lb.	Lb.
CELERY				
Paris Golden Self Blanching	.25	.90	3.00	---
Easy Blanching	.15	.75	2.50	---
Montana Perfection	.05	.30	.75	---
Golden Hearted Dwarf	.05	.30	.75	---
White Plume	.05	.50	1.25	---
CELERY SEED—For flavoring—not for sowing—See flavoring seeds page 85.	.05	.30	.90	---
CHERVIL	.05	.30	.90	---
CHIVES—(Roots, see page 46)	.10	1.50	---	---
CORN SALAD	.05	.25	.75	2.50

## PAGE 83

	Pkt.	1/2pt.	Lb.
CORN—SWEET			
Peep O'Day	.05	.20	.40
Mammoth White Cory	.05	.20	.40
Howling Mob	.05	.20	.40
Golden Bantam	.05	.20	.40
Early Minnesota	.05	.20	.40
Black Mexican	.05	.20	.40

Any of the above varieties of Sweet Corn in lots of 5 lbs. or more, deduct 5c per lb. when ordered by express or freight, not prepaid.

	Pkt.	1/2lb.	Lb.
POP CORN			
White Rice	.05	.15	.25
Japanese Hulless	.10	.20	.35

For large quantities see field seeds—page 111.

## PAGE 84

	Pkt.	Oz.	1/4 lb.	Lb.
CRESS				
Cress or Pepper Grass	.05	.15	.40	1.25
Cress—Water	.05	.50	1.80	---

## PAGE 84

	Pkt.	Oz.	1/4 lb.	Lb.
CUCUMBER				
Davis Perfect	.05	.20	.60	2.00
Fordhook Famous	.05	.20	.55	1.75
Cool and Crisp	.05	.20	.55	1.75
Early White Spine	.05	.20	.55	1.75
Early Frame or Short Green	.05	.20	.55	1.75
Early Russian	.05	.20	.55	1.75
Cumberland	.05	.20	.55	1.75
Improved Long Green	.05	.20	.60	2.00
Everbearing	.05	.20	.55	1.75
Japanese Climbing	.05	.20	.55	1.75
Rollinsons' Telegraph	.25	---	---	---
Vaughn's Prolific Forcing	.25	---	---	---
EGG PLANT—Improved New York	.05	.75	2.25	7.50

GARLIC—1 lb. 45c postpaid; by express 40c; 10 lbs., \$3.50.

	Pkt.	Oz.
HERBS		
Anise	.05	.30
Balm	.05	.35
Basil	.05	.50
Borage	.05	.35
Caraway	.05	.35
Coriander	.05	.35
Catnip	.05	1.40
Dill	.05	.20
Fennel	.05	.35
Horehound	.05	.35
Lavender	.05	.85

## PAGE 85

	Pkt.	Oz.
HERBS		
Rue	.05	.50
Sage	.05	.65
Sweet Marjoram	.05	.45
Sorrell	.05	.35
Summer Savory	.05	.40
Thyme	.05	.75
Wormwood	.05	.35

## SEEDS FOR FLAVORING, MEDICINAL AND OTHER PURPOSES

(Add 5c per lb. if wanted by mail.)		1/4 lb.	lb.
Celery—For flavoring (not for sowing)		.20	.60
Dill—For flavoring		.20	.60
Pumpkin		.15	.50
Water Melon		.15	.50
Musk Melon—For fancy work		.15	.50

## PAGE 85

	Pkt.	Oz.	1/4 lb.	Lb.
KALE or BORECOLE				
Dwarf Curled Scotch	.05	.25	.70	
Tall Green Curled Scotch	.05	.25	.70	

## KOHL RABI

	Pkt.	Oz.	1/4 lb.	Lb.
White Vienna	.05	.30	1.00	
Early Purple Vienna	.05	.30	1.00	

## LEEK

## —American Flag

	Pkt.	Oz.	1/4 lb.	Lb.
May King	.05	.20	.55	1.75
Iceberg	.05	.15	.45	1.50
Improved Hanson Head	.05	.20	.60	1.75
Prize Head	.05	.20	.55	1.60
California Cream Butter	.05	.15	.45	1.40

## PAGE 86

	Pkt.	Oz.	1/4 lb.	Lb.
LETTUCE—Heading Varieties				
Big Boston	.05	.20	.55	1.00
Immensity	.05	.15	.40	1.25
New York Head	.05	.30	1.00	3.50
Boston Market or Tennisball W. S.	.05	.15	.40	1.25
Salamander	.05	.15	.40	1.25
Vignonette	.05	.15	.40	1.25
Crisp as Ice	.05	.15	.45	1.50
Denver Market	.05	.15	.40	1.25

## LETTUCE—Loose Leaved Varieties

	Pkt.	Oz.	1/4 lb.	Lb.
BUKMELO				
Rockyford or Netted Gem	.05	.15	.50	1.25

## PAGE 86

	Pkt.	Oz.	1/4 lb.	Lb.
Extra Early Hackensack	.05	.15	.40	1.25
Told Lined Rockford	.10	.25	.60	1.75
Maules' Model	.05	.15	.35	1.00
Lenny Lind	.05	.15	.40	1.25
Extra Early Citron or Early Nutmeg	.05	.15	.40	1.25
Emerald Gem	.05	.15	.35	1.00
Burrell's Gem	.05	.15	.45	1.60
Barling's Montana	.10	.20	.50	1.75
Sage or Millers' Cream	.05	.15	.40	1.25
Honey Dew	.10	.25	.75	2.50
The Grand	.05	.15	.40	1.25
Garden Lemon	.10	.15	.40	1.25

## PAGE 88

	Pkt.	Oz.	1/4 lb.	Lb.
WATERMELON				
Cole's Early	.05	.15	.40	1.25
Fordhook Early	.05	.15	.40	1.20
Phinney's Early	.05	.15	.40	1.20
Sleekley's Sweet	.05	.15	.40	1.20
Mountain Sweet	.05	.10	.30	1.00
Improved Kolb's Gem	.05	.15	.40	1.20
Ice Cream or Peerless	.05	.10	.35	1.10

## CITRON

	Pkt.	Oz.	1/4 lb.	Lb.
Red Seeded	.05	.15	.40	1.25
Green Seeded	.05	.15	.40	1.25

## MUSTARD

	Pkt.	Oz.	1/4 lb.	Lb.
White	.05	.15	.30	1.00
Giant Southern Curled	.05	.15	.30	.90

## MUSHROOM SPAWN

	Lambert's—Per brick, postpaid	35c
By express or freight, brick, 30c; 10 bricks		\$2.50

## OKRA or GUMBO

	Pkt.	Oz.	1/4 lb.	Lb.
Dwarf Green	.05	.10	.25	.75
White Velvet	.05	.10	.25	.75

## PAGE 89.

## ONION SETS

	lb. PP	By Exp. or Frt.	Lb. 10 lbs.
White Bottom	.35	.30	2.50
Red Bottom	.35	.30	2.50
Yellow Bottom	.30	.25	2.00
Yellow Multiplier	.30	.25	2.25
Egyptian Winter or Perennial	.30	.25	2.25

## PAGE 89.

## ONION SEED

	Pkt. Oz.	1/4 lb.	Lb.
White Pickling	.05	.35	1.20
White Portugal or Silver Skin	.05	.35	1.20
Early White Barletta or White Queen	.05	.35	1.20
Mammoth Silver King	.05	.50	1.50
White Welsh	.10	.35	1.20
Southport White Globe	.05	.35	1.20

## PAGE 90

## ONION SEED

	Pkt. Oz.	1/4 lb.	Lb.
Large Red Wethersfield	.05	.25	.85
Southport Red Globe	.05	.30	1.00
Extra Early Red Flat	.05	.35	1.10
Australian Brown	.05	.30	1.00
Yellow Globe Danvers	.05	.30	1.00
Yellow Danvers Flat	.05	.30	1.00
Prizetaker	.05	.35	1.10
Ailsa Craig	.10	.50	1.50

## PAGE 91

## PARSLEY

	Pkt. Oz.	1/4 lb.	Lb.
Moss Curled	.05	.15	.35
Extra Double Curled	.05	.15	.35
Hamburg or Turnip Rooted	.05	.15	.35

## PARSNIP

Hollow Crown	1/2 pt., 25c	.05	.15	.45	1.50
Improved Guernsey		.05	.15	.45	1.50
Sweet Marrow		.05	.15	.45	1.50
PEAS		Pkt. 1/2 pt. Lb.			
Alaska		.05	.15	.30	
American Wonder		.05	.20	.40	

## PEAS

## PAGE 92

	Pkt. Oz.	1/4 lb.	Lb.
Little Marvel	.05	.20	.40
Little Gem	.05	.20	.40
Nott's Excelsior	.05	.20	.40
Carter's Daisy or Dwarf Telephone	.05	.25	.50
Gradus	.05	.25	.50
Yorkshire Hero	.05	.20	.35
White Marrowfat	.05	.15	.25

## PEAS

## PAGE 93

	Pkt. Oz.	1/4 lb.	Lb.
Roosevelt	.05	.25	.50
Champion of England	.05	.20	.35
Telephone	.05	.25	.45

Mammoth Melting Sugar

Any of the above varieties of Peas in lots of 5 lbs. or more, deduct 5c per lb. when ordered by express or freight not prepaid.

## PEPPERS

## Pkt. Oz. 1/4 lb.

Large Bell or Bull Nose	.05	.70	2.00
Sweet Mountain	.05	.75	2.25
Cayenne Long Red	.05	.80	2.40

## PUMPKIN

## Pkt. Oz. 1/4 lb. Lb.

Connecticut Field	.05	.15	.35	1.00
Japanese Pie	.05	.15	.35	1.00

## PAGE 94

## PUMPKIN

## Pkt. Oz. 1/4 lb. Lb.

Large Cheese or Kentucky Field	.05	.15	.30	.90
Tennessee Sweet Potato	.05	.15	.30	.90
King of the Mammoth or Jumbo	.05	.15	.35	1.00
Early Small Sugar or Pie	.05	.15	.40	1.25

Winter Luxury

.05 .15 .40 1.25

## PAGE 94

## RADISH

## Pkt. Oz. 1/4 lb. Lb.

Early Scarlet White Tipped	.05	.15	.45	1.55
Early Scarlet Turnip	.05	.15	.45	1.55
Non Plus Ultra or Early Deep Scarlet	.05	.15	.45	1.55
Early White Turnip	.05	.15	.35	1.25
Crimson Giant Turnip-Forcing	.05	.20	.60	1.75
Early Scarlet Globe	.05	.15	.45	1.50
French Breakfast	.05	.15	.35	1.25

## PRICE LIST.

## JANUARY, 1920, HELENA, MONT.

## PAGE 95

## RADISH

## Pkt. Oz. 1/4 lb. Lb.

Long White Vienna or Lady Finger	.05	.15	.45	1.50
White Icicle	.05	.20	.60	1.75
White Strasburg	.05	.15	.35	1.25
Long Scarlet Short Top	.05	.15	.35	1.25
Cincinnati Market	.05	.20	.35	1.25
China Rose	.05	.15	.35	1.25
Mammoth White China	.05	.15	.35	1.25
Long Black Spanish	.05	.15	.35	1.25
Round Black Spanish	.05	.15	.35	1.25
Sakurajima or Mammoth Japan	.05	.20	.70	2.50
Nerima or Mikado	.05	.20	.70	2.50

## RHUBARB

## PAGE 95

## RHUBARB

## Pkt. Oz. 1/4 lb. Lb.

Monarch	.05	.15	.45	1.25
Victoria	.05	.15	.45	1.25

## SALSIFY or OYSTER PLANT

## SALSIFY

## Pkt. Oz. 1/4 lb. Lb.

Sandwich Island	.05	.30	.90	2.75
SPINACH				

## SQUASH

## PAGE 96

## SQUASH

## Pkt. Oz. 1/4 lb. Lb.

Early White Bush Scallop	.05	.15	.40	1.25
Fordhook	.05	.15	.45	1.50
Early Summer Crookneck	.05	.15	.40	1.25
Vegetable Marrow	.05	.15	.45	1.50
Chicago Warted Hubbard	.05	.20	.65	2.00
Red or Golden Hubbard	.05	.20	.65	2.00
Improved Hubbard	.05	.20	.65	2.00
Sibley or Pikes Peak	.05	.15	.45	1.50
Delicious	.05	.15	.40	1.25
Boston Marrow	.05	.15	.30	1.00

## SUNFLOWER

## Pkt. Oz. 1/2 pt. lb.PP

## SUNFLOWER

## Mammoth Russian

## .05 .10 .15 .30

For larger quantities see field seeds.

## PAGE 97

## TOMATO

## Pkt. Oz. 1/4 lb. Lb.

Acme	.05	.40	1.20	4.00
Bonny Best	.05	.40	1.20	4.00
John Baer	.10	.50	1.75	5.00
Earlibell	.10	.50	1.75	5.00
Truckers' Favorite	.05	.40	1.20	4.00
Beauty	.05	.40	1.20	4.00
New Stone	.05	.40	1.20	4.00
Spark's Earliana	.05	.40	1.20	4.00
Golden Queen	.05	.45	1.35	4.50
Dwarf Champion	.05	.40	1.20	4.00
June Pink	.05	.40	1.20	4.00

## PAGE 98

## TOMATO

## Pkt. Oz. 1/4 lb. Lb.

Red Pear	.05	.60	1.80	6.00
Red Peach	.05	.60	1.80	6.00
Red Plum	.05	.60	1.80	6.00
Red Currant	.05	.60	1.80	6.00
Red Cherry	.05	.60	1.80	6.00
Winter Cherry or Purple Husk	.05	.60	1.80	6.00
Yellow Cherry	.05	.60	1.80	6.00
Yellow Plum	.05	.60	1.80	6.00
Yellow Peach	.05	.60	1.80	6.00
Yellow Pear	.05	.60	1.80	6.00
Ground Cherry, Strawberry or Yellow Husk	.05	.50	1.75	5.00

## TURNIP

## TURNIP

## Pkt. Oz. 1/4 lb. Lb.

White Milan, extra early	.05	.20	.60	2.00
Purple Top Milan, extra Early	.05	.20	.60	2.00
Early Snowball	.05	.45	.45	1.50
Purple Top Strap Leaf	.05	.45	.40	1.25
Purple Top White Globe	.05	.45	.40	1.25
White Egg	.05	.45	.40	1.25
Golden Ball	.05	.45	.45	1.50

## RUTABAGA

## Pkt. Oz. 1/4 lb. Lb.

Bangholm	.05	.45	.45	1.50
Prizewinner	.05	.45	.45	1.50
American Purple Top	.05	.45	.45	1.50
Large White or Sweet German	.05			

# FIELD SEEDS

Prices on all Seeds listed below are based on present stocks, after these are exhausted prices are subject to change.

All prices quoted, NOT under PP. (postpaid) are at purchaser's expense by express or freight.

## PAGE 101 By Exp. or Frt.

ALFALFA	lb. PP	By Exp. or Frt.		
		1 lb.	5 lbs.	10 lbs.
Reg. Grimm, sealed bags..		1.00	.90	4.25

By Exp. or Frt.

ALFALFA	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
Montana Grinum .....	.85	.75	7.00	65.00
Montana Lacombe "Peerless" .....	.75	.65	6.00	55.00
Montana Turkestan "Peerless" .....	.70	.60	5.75	51.00

## PAGE 102

ALFALFA	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
Hardy Montana, "Peerless" .....	.65	.55	5.00	46.00
Hardy Montana, "Placer" .....	.60	.50	4.75	42.00
Hardy Montana, "Quartz" .....	.50	.45	4.00	28.50

## PAGE 103 By Exp. or Frt.

CLOVER	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
Medium Red "Peerless" .....	.75	.70	6.75	60.00
Medium Red "Placer" .....	..	..	..	57.50
Alsike, "Peerless" .....	.75	.70	6.75	60.00
White Dutch .....	.85	.80	7.50	70.00
Sweet White Blossom, "Peerless" .....	.50	.45	3.75	34.00
Sweet White Blossom, "Placer" .....	.45	.40	3.75	32.00
Sweet White Blossom, "Quartz" .....	.30	.35	3.00	29.00
Sweet Yellow Blossom "Peerless" .....	.50	.45	3.75	34.00

## PAGE 104

RED TOP	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
Red Top, "Peerless" .....	.40	.35	2.75	25.50
Red Top, "Placer" .....	.35	.30	2.60	24.00

## TIMOTHY

Timothy, "Peerless" .....	.30	.25	2.00	17.00
Timothy, "Placer" .....	.30	.25	1.80	16.50
Alsike and Timothy Mixed .....	.40	.35	2.80	23.00

## BLUE GRASS

Blue Grass, "Peerless" .....	.45	.40	4.00	37.50
Blue Grass, "Placer" .....	.40	.35	3.50	32.50

## BROME GRASS

BROME GRASS .....	.45	.40	3.75	34.00
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## SLENDER WHEAT GRASS

SLENDER WHEAT GRASS .....	.40	.35	3.00	26.00
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## ORCHARD GRASS, "Peerless"

ORCHARD GRASS, "Peerless" .....	.45	.40	3.60	32.00
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## PERENNIAL RYE GRASS

PERENNIAL RYE GRASS .....	.30	.25	2.25	18.50
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## PAGE 105 By Exp. or Frt.

SUDAN GRASS	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
SUDAN GRASS .....	.30	.25	2.30	19.50

## MILLET

White Wonder .....	.20	.15	1.25	8.25
Golden or German .....	.20	.15	1.00	7.50
Hungarian .....	.20	.15	1.50	11.00
Siherian .....	.20	.15	.90	6.50
Hog, or Broom Corn .....	.20	.15	.90	6.25

Japanese .....	.20	.15	1.75	12.50
Common .....	.20	.15	.85	6.00

LENTILS .....	.30	.25	2.25	19.50
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## PEAS—FIELD

Canada .....	..	..	..	Write for Prices
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White Marrowfat .....	..	..	..	11.00
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Alaska .....	..	..	..	7.50
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Mixed .....	..	..	..	Write for Prices
-------------	----	----	----	------------------

## PAGE 76

BEANS—Field	lb. PP	By Exp. or Frt.		
		10 lbs.	100 lbs.	..
Great Northern Navy .....		1.50	12.50	
Tree Navy .....		1.60	14.00	
Improved White Navy .....		1.60	14.00	

FLAX	..	..	..	..
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Russian #52 .....	..	..	..	13.00
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North Dakota 111 .....	..	..	..	13.50
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## PAGE 106

SORGHUM	lb. PP	By Exp. or Frt.		
		1 lb.	10 lbs.	100 lbs.
Southern Seed .....	.20	.15	4.00	7.00
Minnesota Amber Cane .....	.20	.15	1.00	7.50

FETERITA .....	.20	.15	1.00	8.00
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## PAGE 101 By Exp. or Frt.

KAFFIR CORN—White	lb. PP	By Exp. or Frt.		
		100 lbs.	100 lbs.	100 lbs.
Seeded .....	.20	.15	1.50	7.50
Winter .....	..	..	..	Write for Prices

VETCH	lb. PP	By Exp. or Frt.		
		100 lbs.	100 lbs.	100 lbs.
Spring .....	.25	.20	1.75	14.50
Winter .....	..	..	..	Write for Prices

PAGE 108	lb. PP	By Exp. or Frt.		
		100 lbs.	100 lbs.	100 lbs.
SUNFLOWER—Mammoth Rus-sian .....	.30	.25	2.25	19.60

RAPE	lb. PP	By Exp. or Frt.		
		100 lbs.	100 lbs.	100 lbs.
.. ..	.30	.25	2.00	15.50

BUCKWHEAT—Silver Hull	lb. PP	By Exp. or Frt.		
		100 lbs.	100 lbs.	100 lbs.
.. ..	.20	.15	1.25	8.75

BIRD SEED—(See page 108)	lb. PP	By Exp. or Frt.		
100 lbs.	100 lbs.	100 lbs.		
<tbl\_info cols="

FOR PRICES ON ALL VEGETABLE SEEDS—SEE RED INSERT—PAGE 80

## CARROT

Ger.—Moehre.

Scand.—Gulrod.

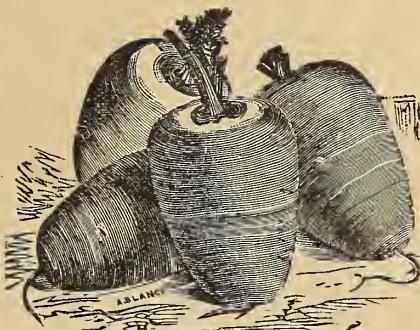
(One ounce to 100 feet in drill; 3 to 4 pounds to an acre.)

Good sandy loam is best adapted for Carrots of all varieties. The shorter varieties, however, can be sown in heavier soil with good results.



Carrot—French Forcing.

**Oxheart or Guerande**—Medium early, bright orange color, fine grained and sweet, one of the best table varieties. Can be pulled by hand; well suited to heavy soils, but will thrive equally well in other situations.



Carrot—Oxheart or Guerande.

**Danvers Half Long**—A standard variety and one of the heaviest croppers. Color dark orange, very thick shoulder, of a most excellent quality. Length 8 to 10 inches.

**Half Long Scarlet Stump Rooted**—A variety about as large as Danvers, but not so thick. It is of uniform thickness from shoulder to root and very stump-rooted.

**Improved Long Orange**—Excellent variety for garden or field culture. Good quality for dairy cows; attains large size.

## CARROTS FOR STOCK

SEE COLORED PLATE—BACK COVER.

**White Belgian**—Grown extensively for stock feeding. Very heavy cropper.

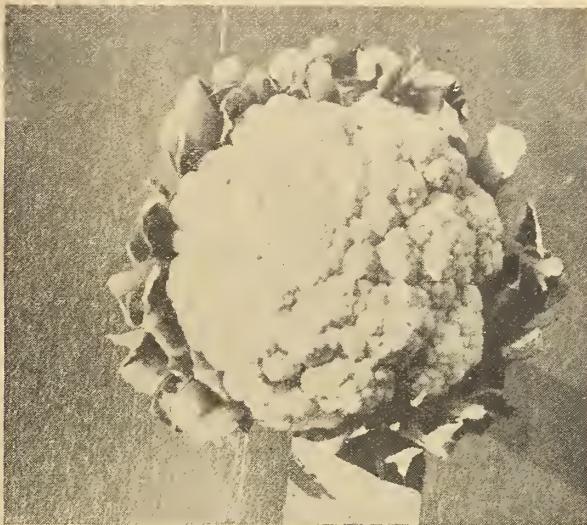
**Victoria**—Our records prove this to be the most popular Red Stock Carrot in the list, no doubt on account of its sweetness and heavy yield.

**Mastodon**—A vast improvement on the White and Yellow Belgian sort. The roots are short and very heavy at the shoulder, and frequently measure 15 to 20 inches, yielding from 20 to 25 tons to the acre.

## CAULIFLOWER

(One ounce for 3,000 plants.)

1/4 oz., to 100 feet of drill. Two oz., to the acre.



Early Snowball.

**Culture**—Cauliflower is a gross feeder, and well repays heavy manuring and high culture. It succeeds best on well drained soil. For spring crop, plant the seed in protected beds early in February and the plant will be ready to transplant probably early in April. The young plants should be thinned, since they become very spindly if allowed to grow too thick in seed bed. Plant in rows two feet apart—eighteen inches in the row.

**Early Snowball**—Is the best all-round Cauliflower on the market for early or late use, for the family or the market garden. It heads where others fail. Its close and compact habit of growth permits one-third more to be planted on the same quantity of ground than can be done with other varieties.

**Early Dwarf Erfurt**—An extra early variety; scarcely a plant fails to produce a head.

**Dry Weather or Danish Giant**—Is more resistant to unfavorable seasons than other sorts, particularly in dry weather.

**Early Paris**—A compact, short-stemmed variety of exceptional merit, especially adapted to the family garden.



Celeriac—Giant Smooth Prague.

## CELERIAC

Ger.—Knoller Sellerie.

Scand.—Knopsselleri.

**Giant Smooth Prague**—Turnip rooted celery. Excellent for soups, will keep all winter; roots large, smooth, good flavor.

## CELERY

Ger.—Sellerie.

(One ounce will produce 7,000 plants.)

({1/4 oz. to 100 feet of row. Two oz. to Acre.)

Sow seeds in a hot bed or cold frame. As soon as the plants are about 3 inches high, transplant to a nicely prepared bed in the border, setting them 4 to 5 inches apart. When some 8 inches high, and fine stocky plant, set them in trenches. Earth up a little during the summer, keeping the bed as close together so that the soil cannot get between them. Final earthing up should be done, never hoe or earth up in moist weather.

Keep the seed bed moist to insure quick germination and vigorous growth.



PARIS GOLDEN  
SELF BLANCHING  
CELERY

**Paris Golden Self Blanching**—A remarkable early sort, entirely self-blanching, with beautiful, large golden-yellow heart, crisp solid and nutty in flavor.

**Easy Blanching**—The most valuable celery introduced in many years, with a remarkable natural tendency to blanch readily. Those who have never been successful in growing good celery can depend on this variety. Valuable both for early use and for its winter keeping qualities. Of very quick growth, thin stalks, very tender and brittle, and rich flavor. Its unusually long season for use appeal to the home gardener as well as the commercial grower.

**Montana Perfection**—Finest and largest winter variety. The best keeper known; solid, crisp, tender and of an exceedingly fine flavor; more largely grown here than all other varieties put together.

**Golden Hearted Dwarf**—A most desirable and very hardy variety, very solid and crisp, blanching exceedingly white, with a clear golden heart. An excellent shipper.

Scand.—Selleri.



Celery—White Plume.

**White Plume**—Handsome, early, crisp, almost pure white, self-blanching, easily cultivated; the most popular with Montana growers, both for market and home garden.

**Celery Seed**—For Flavoring. (Not for sowing.)

SEE RED INSERT—PAGE 80—FOR PRICES.

## CHERVIL

(One ounce to 100 feet of row.)

**CHERVIL—(Curled)** ..... Pkt., 5c; oz., 25c; 1/4 lb., 75c  
An aromatic herb. The young leaves are used in soups and salads.

## CHIVES—Snittlauch

(See Also Vegetable Plants.)

**Chives**—A vegetable of the Onion tribe, quite hardy everywhere. The leaves are slender and appear very early in the spring, and may be shorn several times during the season. They are propagated by divisions of the root or sowing of seed. The chives are equal to the Onion for flavoring soups and salads.  
Pkt., 10c; oz.

## CORN SALAD

Ger.—Feldsalat.

Scand.—Vaarsalat.

Two oz., to 100 feet of drill.



Celery—Montana Perfection



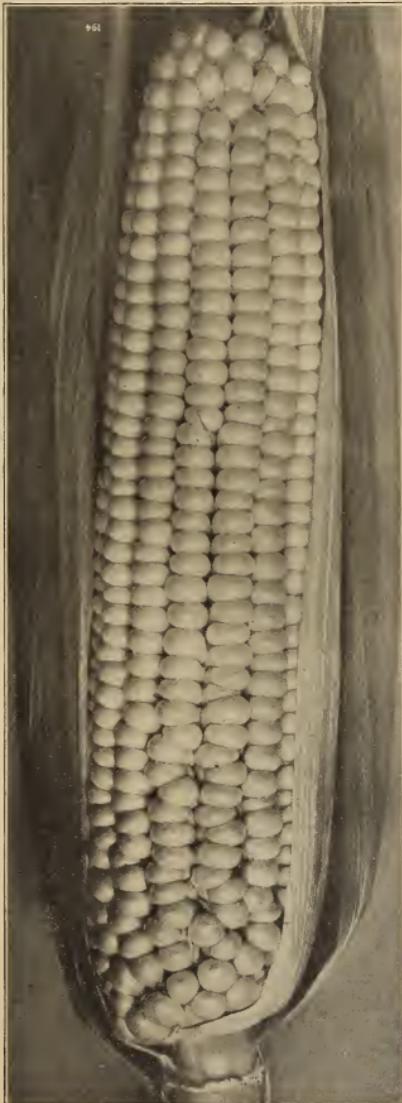
Corn Salad.

**CORN SALAD**—(Or Fettichsalat) A plant used as a substitute for Lettuce in salads or may be cooked like spinach for greens. It does well in the fall and spring. On rich soil the leaves renew rapidly after being cut.

## CORN--Sweet or Sugar

1 lb. for 100 hills or 150 to 200 feet of drill. 15 lbs. to acre.

**Sweet Corn** is very sensitive to frost and should not be planted until danger from freezing is past or about the middle of May in Montana. A rich, warm, good ordinary soil will raise excellent Sweet Corn if it is deeply and thoroughly worked before planting, is plowed and cultivated regularly, and the rows are not too close together, about one inch deep with fine soil firmly pressed down. If planted in hills, make the hills three feet apart each way, and plant four to six kernels to the hill. Hoe frequently and when six inches high cut off all the suckers so as to leave three or four plants to the hill; do not let the plants overcrowd. Give frequent and thorough but shallow cultivation until the tassels appear. In cooking corn use boiling water, do not cover the vessel and do not cook more than ten minutes. "Use no salt"—A pinch of sugar will add to the natural sweetness.



CORN—Howling Mob.

1 lb. is a little more than a pint—2 lbs. a little more than a quart. 1 lb. is a little more than a pint—2 lbs. a little more than a quart.

**Peep O'Day**—Ten days earlier than any other Sweet Corn, Peep O'Day Corn, in addition to its sensational earliness, is entirely distinct in appearance and habit of growth. The stalk grows from 4 to 6 feet in height. The average ears 5 inches in length and are of perfect form, well filled out to the tip. When cooked, the corn is exceedingly sweet and tender.

**Mammoth White Cory**—Earliest of all Cory corn; one of the most successful varieties of Corn for Montana, and largely grown for the market; large ears, tender and delicious.

**Howling Mob**—Although an early variety the ears are much larger than any of the other early sorts. The stalks are usually about five feet in height and produce two splendid ears 7 to 9 inches in length to a stalk. The ears are well covered with a heavy husk affording protection against green worms. The kernels are of good size, white and very sweet.



Sweet Corn—Golden Bantam.

### SECOND EARLY VARIETIES.

**Early Minnesota**—A very fine second early strain with large ears, filled with 12 or more rows of handsome white grains of fine quality.

**Black Mexican**—This variety has for a number of years had the reputation of being the sweetest of all Sweet Corn. When cooked the ear is white with a bluish tinge towards the base of the kernel. Every year we have a number of inquiries from those who have known this Corn, but who have forgotten its name and remember it only as the "black corn that was so very sweet."

**POP CORN—White Rice**—We have a very choice lot, carefully selected and tested for seed purposes—Montana grown.

FOR PRICES ON CORN SEE RED INSERT—PAGE 80.

INSECTICIDES—for all purposes—see last pages.

FOR PRICES ON ALL VEGETABLE SEEDS—SEE RED INSERT—PAGE 80

## CRESS

Ger.—Karten-Kresse.

**CRESS, OR PEPPER GRASS**—This salad is much used with Lettuce to the flavor of which its warm pungent taste makes an agreeable addition.

**CRESS—(Water)**—Hardy perennial aquatic plant; sow seed along water's edge, preferably near running springs.

## CUCUMBER

Ger.—Gurken.

(One ounce will plant fifty hills; two lbs., to an acre.)

**Davis Perfect**—Long and slender, average length 10 to 12 inches. Color very dark green, of fine flavor, very tender and brittle. A choice variety for forcing under glass or for outside culture.

**Fordhook Famous**—A long White Spine variety growing from 10 to 12 inches. Earlier and fully as long as Long Green and of equally good quality.

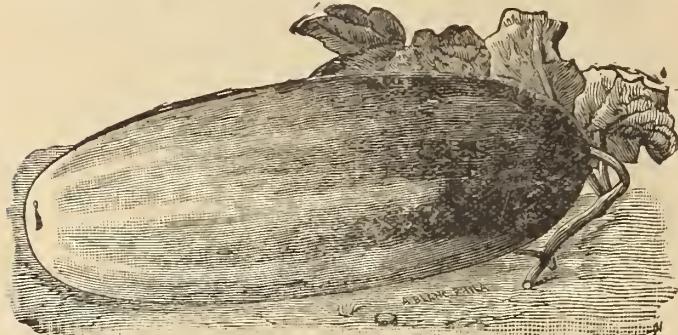
**Cool and Crisp**—A fine garden variety, deep green and crisp, and is of the White Spine type, pure white when ripe.

**Early White Spine**—Earliest of the White Spine varieties. Excellent for table use.

**Early Frame or Short Green**—A very productive variety having fruits of good length and handsome form. Desirable for producing pickles of medium size. Fine quality when sliced for table.

**Early Russian**—Bright green, crisp and tender flesh; excellent for table use or pickling.

**Cumberland**—The best pickling sort yet introduced being very handsome and productive, with flesh firm, but very crisp and tender. Vines sturdy and prolific.



Cucumber—Early White Spine.



Cucumber—Long Green.

**Improved Long Green**—Not quite so early as the above named sorts but admitted to be the best general crop Cucumber for this climate; good color, crisp and tender.

**Everbearing**—Small size, very early and enormously productive and valuable as a green pickler. It continues to flower and produce fruit until killed by frost whether the Cucumbers are picked off or not. Remarkably solid with very few seeds and of fine quality. Invariably of perfect form even when small.



Cucumber—Boston Pickling.

**Boston Pickling**—Very productive, grown largely for pickles. Fruit medium sized, very smooth bright green.

**Japanese Climbing**—A strong and vigorous grower, and while all Cucumbers are running or creeping vines, this variety attains nearly twice the length of ordinary sorts and can be grown on trellises, fences or poles. The fruits from ten to twelve inches in length, are of excellent quality either for slicing or pickling.

**Rollinson's Telegraph**—For forcing. Long green Cucumbers of excellent flavor, very tender and solid. We have grown this variety under glass to a length of 25 inches.

**Vaughn's Prolific Forcing**—For forcing. This is a great favorite with the Chicago and Eastern growers for forcing under glass for the early and winter markets. Of medium size, very prolific, of good color and most excellent quality.



Egg Plant—Improved New York.

## EGG PLANT

( $\frac{1}{8}$  oz., to 100 feet of row.  $\frac{1}{4}$  lb. to acre.)  
One oz. will produce 1000 to 1500 plants.

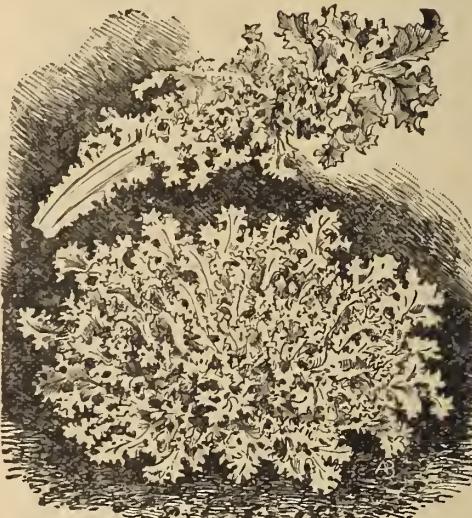
**Improved New York**—This selection is vastly superior to the old type. The habit of the plant is low and branching, and is quite free from spines.

## ENDIVE

1 oz. to 100 feet of row. Four lbs. to acre.

Ger.—Endivren. Scand.—Endive.

**White Curled**—Leaves pale green; should be used when young.



**Green Curled**—For fall and winter use; also largely used for garnishing; crisp and curly; easily blanched.



**Broad Leaved Batavian**—A very wide leaved variety, leaves with straight edges, thick and fleshy of a dull green color. Quality excellent.

**Ground Cherry**—See Tomato—Page 98.



Endive—Green Curled.

## GARLIC

Ger.—Knoblauch. Scand.—Hoidloeg. (1 lb. to 50 feet of drill. 200 lbs. to acre.)

**GARLIC**—The Garlic is the most pungent of all the onion family. The root or bulb is composed of many small bulbs called "cloves", which are planted in the spring six to eight inches apart, and in August the tops will die when the bulbs are ready to gather; they do best in light rich soil.



Garlic.

## HERBS

**HERBS—(Sweet, Pot and Medicinal)**—The seeds should be sown in spring, in shallow drills, 12 inches apart, and the young plants thinned out or transplanted to about 4 inches. They should be harvested on a dry day, just before the blossoms develop, dried quickly and bottled, or closely packed in dry boxes, with the air entirely excluded. Those prefixed by an \* are Perennials.

Anise—Used for flavoring	Pkt. 5c; oz. 30c
*Balm	Pkt. 5c; oz. 35c
Basil	Pkt. 5c; oz. 25c
Borage	Pkt. 5c; oz. 30c
Caraway	The seeds of this herb are used for flavoring
Coriander	Seeds used for flavoring
*Catnip	Pkt. 5c; oz. 60c
Dill	Pkt. 5c; oz. 25c
*Fennel	Boil and use in fish sauce
*Horehound	Pkt. 5c; oz. 35c
*Lavender—(Lavandula Spica)	Pkt. 5c; oz. 35c

## HERBS—(Continued.)

*Rue	Pkt., 5c; oz., 50c
*Sage—A highly aromatic herb; most useful of all	Pkt., 5c; oz., 75c
*Sweet Marjoram—Used as a seasoning	Pkt., 5c; oz., 25c
Sorrel—(Large Leaved French) The variety having the largest leaves and therefore the most desirable	Pkt., 5c; oz., 35c
*Summer Savory—Used as culinary herb	Pkt., 5c; oz., 40c
*Thyme—Used for seasoning	Pkt., 5c; oz., 85c
*Wormwood—Used and grown for poultry	Pkt., 5c; oz., 35c

## SEEDS FOR FLAVORING, MEDICINAL AND OTHER PURPOSES.

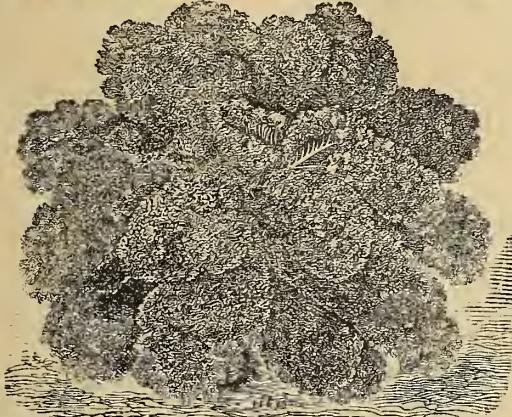
Dill—For flavoring, not for sowing.

Pumpkin—

Water Melon—

Musk Melon (For fancy work)

SEE RED INSERT—PAGE 80—FOR PRICES.



Kale—Dwarf Curled Scotch.

1/4 oz., to 100 feet of row. 2 lbs. to the acre.

## KALE or BORECOLE

Ger.—Blattkohl.

Scand.—Groenkaal.

(One ounce will produce about 5,000 plants.)

Dwarf Curled Scotch—The Kales make excellent greens for fall and are improved when slightly frosted. Cultivate same as Cabbage. Beautifully curled, very hardy.

Tall Green Curled Scotch—Always a favorite.

## KOHL RABI

1/4 oz. to 100 feet of row, 4 lbs. to acre.

Ger.—Kohl Rabi.

Scand.—Kaalrabi.

White Vienna—Turnip rooted; small, white, very tender and delicious when young.

Early Purple Vienna—An early variety with a bright purple bulb. The leaves and stems being green and tinged with purple.



For Prices on all Vegetable  
Seeds—see red insert  
page 80

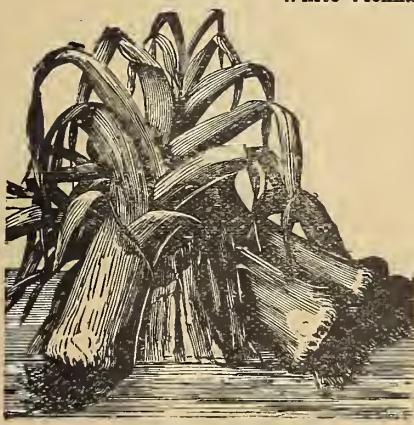
## LEEK

1/2 oz., to 100 feet of  
drill. 4 lbs. to acre.

Ger.—Lauch.

Scand.—Purre.

American Flag—A strong growing variety, producing large, thick stems of sweet flavor when properly blanched. Leeks are hardy and flavor is improved by frost.



Leek—American Flag.

## LETTUCE

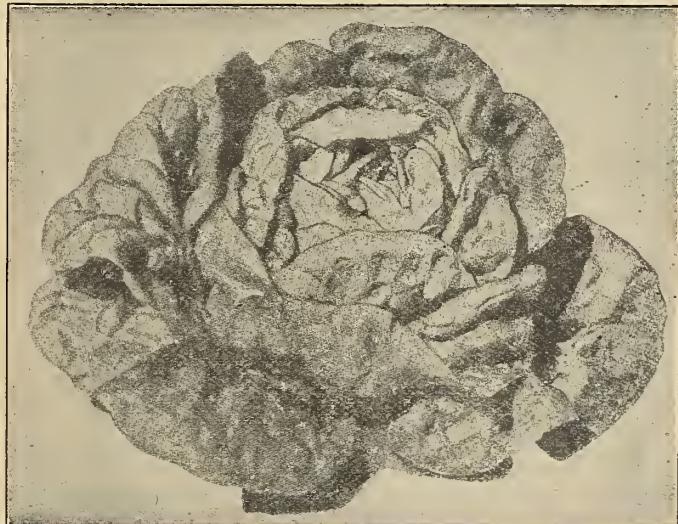
Ger.—Gartensalat.

Scand.—Salat.

1/4 oz., to 100 feet of drill. 3 lbs. to the acre.

Lettuce is represented by four distinct classes or types—by the thick-leaved, smooth-edged cabbage heading type; the curly leaved bunching or non-heading type, and the Cos or celery type. There are early, medium early and late varieties of each type, and thin-leaved, tight-heading, crisp type; the curly and thin-as well as those especially adapted for greenhouse, hot-bed, winter, spring, summer and autumn uses. There is so great a difference in localities in regard to the value of lettuce, that a uniform rule for culture cannot be adopted. For the ordinary house garden it is desirable to use one variety of each type and several plantings should be made to secure a succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage varieties should be thinned to four inches apart. Varieties that do not head may be left quite thick and when fairly well grown those thinned out may be used.

FOR PRICES SEE RED INSERT—PAGE 80.



Lettuce—May King.

## HEADING VARIETIES.

May King—A few years ago it was hardly known in America, now it is found in the gardens of nearly every up-to-date grower. It simply forced its way to the front on its sterling merits. It grows very quickly even in the cold weather of early spring. The habit of growth is very compact and close; in fact the plant is about all head. Outer leaves light green, inner leaves bright yellow and of a fine, rich, buttery flavor. Heads weigh from 12 to 16 ozs., and are so solid that they carry to market in perfect condition.

Iceberg—A large heading variety; crisp and brittle, and color bright green, lightly tinged with brown on top of the head; leaves curled on the edges.

Improved Hanson Head—A large summer heading Lettuce; very crisp and tender and slow to run to seed; is tender at any stage of growth.

Prize Head—White seed, large, loose heading variety of exquisite flavor; leaves curly, tipped reddish brown. A great favorite with all.

California Cream Butter or Royal Cabbage—A very popular variety for autumn and winter use. Forms a very large head, which is very buttery, and of rich golden-yellow inside. The leaves are thick and of bright green, slightly tinged with brown on top of head, and the outer leaves are slightly spotted with inconspicuous brown spots. Easy to grow and a good shipping variety.



Lettuce—Big Boston.

**Big Boston**—The well known and popular hothouse variety of New England. Needs to be quickly grown to be of good flavor. Light green cabbage variety, slightly tinged with brown on the head. Forms a compact buttery head.

**Immensity**—The largest variety of Head Lettuce known to the trade. The size of the heads which have been grown of this variety are beyond belief until actually seen and grown, and its quality is most excellent in every respect.

**New York Head**—This Lettuce originating near New York is a sure header, very tight and solid. It is the variety so extensively grown for the California markets under the name of the Los Angeles or Wonderful, and in some sections under the name Neapolitan Cabbage Lettuce.



Lettuce—Boston Market or Tennisball, W. S.

**Boston Market or Tennisball W. S.**—Smooth-leaved heading variety for late summer use or will stand forcing very well. Its solid, compact habit and good flavor are much sought for.

**Salamander**—The most popular variety for withstanding the hot weather, and forming a close sure head; very solid, of medium size and excellent quality.

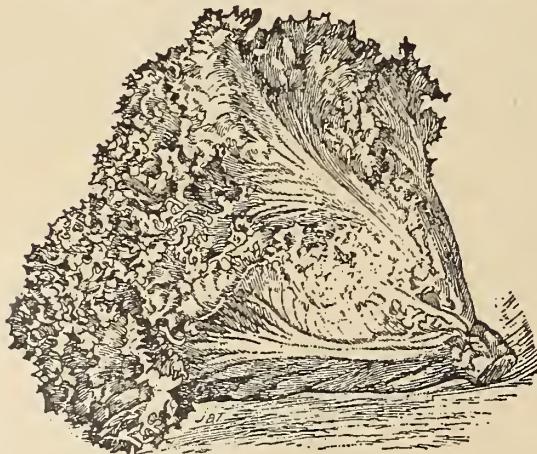
**Mignonette**—Of splendid quality, rather small but very solid, compact heads. Slightly, curled edges of leaves tinted with brown. A valuable variety.

**Crisp as Ice**—Very solid large heads, with a rich creamy heart. Very tender and crisp.

**Denver Market**—A handsome variety, forming very tight conical heads. Even the outside leaves remain crisp and tender.

## LOOSE LEAVED VARIETIES

FOR PRICES SEE RED INSERT—PAGE 80.



Lettuce—Grand Rapids.

**Grand Rapids**—A popular variety for greenhouse planting and will make a quick growth under adverse conditions. Its upright habit permits close planting.

**The Morse**—A large loose-bunching or non-heading variety. Invaluable for forcing. Very crisp and of fine flavor. In color it is a light green and very attractive.

**Early Curled Simpson or Silesia**—Forms a compact bunch of yellowish green leaves; rapid grower, desirable for forcing.

**Black Seeded Simpson**—A splendid variety either for forcing or outdoor cultivation. Large loose heads of light green color, very crisp and tender.

## ROMAINE, COS, OR CELERY LETTUCE.



Lettuce—Paris White Cos.

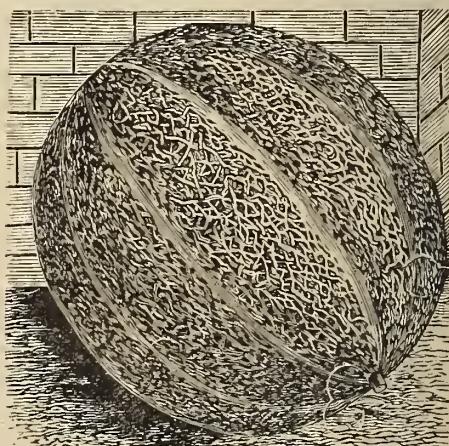
**Paris White Cos**—Distinct variety of upright growth; leaves should be tied together near top when they soon become crisp and delicious as celery stalks, and eaten in the same manner.

## MUSKMELONS

One ounce will plant about 50 hills, 2 to 3 lbs. in hills per acre.

**Culture**—A rich, deep sandy loam, well worked and highly manured with old rotten compost is of the first importance. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way; scatter a dozen seeds to a hill, and after they are out of danger from bugs thin to 3 or 4 plants. When they have 4 or 5 rough leaves pinch off the end of the main shoot, which will cause the lateral branches to put forth fruit sooner.

## GREEN FLESHED VARIETIES.

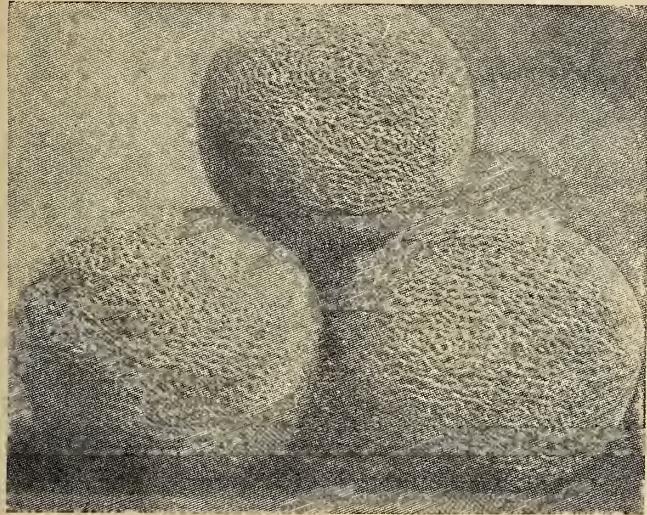


Muskmelon—Rocky Ford or Netted Gem.

**Rocky Ford or Netted Gem**—Is a valuable introduction, and has attained in an incredibly short time a national reputation. It is of the Emerald Gem type, oval in shape, averaging from four and one-half to five inches in length, of a delicious flavor; very fine and smooth grained flesh of a light green color throughout when ripe.

**MUSKMELONS—(Continued).**

**Extra Early Hackensack**—Very popular variety; one that matures early and of good quality.



Muskmelon—Gold Lined Rockyford.

**Gold Lined Rockyford**—This new variety is one of the largest of the Rockyford type, and the seed we offer is extra choice, selected from seed originally direct from the originator. It is very prolific, of uniform size, very thick flesh, of a rich golden yellow next to the seed cavity, fruit very thickly netted. Very fine in every respect.

MUSKMELON  
Maule's Model

S.N.Co.

**Maule's Model**—A paragon of merit—in size, shape, netting, appearance, aroma, flavor, depth of flesh, smallness of seed cavity, cropping ability and shipping quality leave nothing to be desired.

**Jenny Lind**—This is the earliest of the green fleshed sorts and one of the sweetest. It is round or flattened. In size it is small, being from three to five inches in diameter—a very convenient size for serving in halves. It is more largely grown in the great melon producing state of New Jersey than any other sort, and is used in enormous quantities in the eastern cities and at the seashore resorts.

**Extra Early Citron or Early Nutmeg**—For early general use this variety is unsurpassed; uniform in size, thick fleshed, delicious flavor.

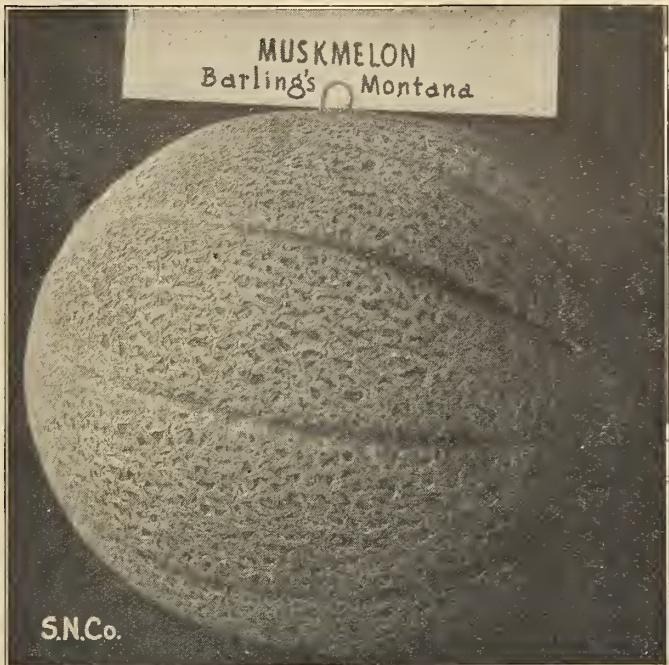
**Montreal Market**—A very large fruited variety, slightly oval, and heavily netted.

**ORANGE OR YELLOW FLESHED VARIETIES.**

**Smerald Gem**—This has become one of the most popular of small or basket melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, very sweet and highly flavored.

**PINK OR SALMON FLESHED VARIETIES.**

**Burrell's Gem**—A medium sized oval deeply netted having salmon or red flesh. It is larger than Rocky Ford and of an entirely distinct flavor. There is a growing demand for the fine grained smooth, salmon-red fleshed Muskmelons and Burrell's Gem seems to be one of the best in cultivation.



**Barling's Montana**—Ideal in size for family use, oval shape, flesh salmon-pink, thick fleshed, with small seed cavity; originated in Montana and matures with the earliest.

**Osage or Miller's Cream**—Medium sized fruit, oval shape, with shallow netting. Flesh very thick and very small seed cavity. Exceptionally fine flavor.



Honey Dew.

**Honey Dew**—The sweetest melon of all. Average size 6 inches in diameter and 7 to 8 inches long. Weight 5 to 6 lbs. The skin is smooth and the rind though thin is very tough, of a creamy color when ripe. The flesh is very thick, of a bright emerald green, very fine grained and can be eaten to the rind. Seed cavity very small.

**The Grand**—Has a vigorous vine and because of its vigorous growth is a great yielder. The fruit is round or slightly elongated, slightly ribbed. Color a peculiar pea green with netting lighter ribbed. The flesh is firm, fine grained of a rich salmon or red color. In flavor it even surpasses the best grown Osage or Emerald Gem. The flesh extends to the rind and retains its color and quality quite to the outer shell, which, though thin, is very hard and firm and because of this bears shipment remarkably well. The flesh is very thick, considering the size of the melon, leaving a small seed cavity.

**Garden Lemon**—Fruits short, nearly round with yellow and green markings; skin smooth, flesh very tender and of sweet flavor. Best when turning yellow. Makes good preserves.

# WATERMELONS

Ger.—Wassermelone.

Scand.—Vandmelon.

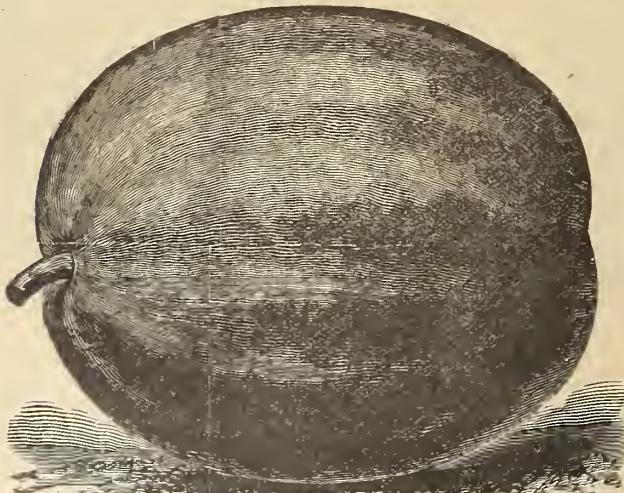
One oz. for 30 hills 4 to 5 lbs. to an acre.

The hills should be dug about 2 feet square 18 inches deep, and half filled with well-rotted manure which must be thoroughly incorporated with the soil. Plant in May, 10 seeds to a hill, and when the plants are well up, thin out to three, and pinch the ends of the growing shoots to induce early fruiting. While the watermelon is, generally speaking, a southern product, yet the cultivation of same is not confined to the south. Some of the sweetest and best melons we have seen were produced in the latitude of 45 degrees north; consequently, while the watermelon is a tropical fruit, yet our northern friends can grow them successfully.



Watermelon—Cole's Early.

**Cole's Early**—This is a fine variety for the family and market and is particularly adapted, on account of its carliness, to northern latitudes. For early marketing there is no superior. The bright red flesh is cool, crisp and sweet. The melons are of medium size and produced in generous numbers. The heart is surprisingly large in proportion to size of melon.



Watermelon—Fordhook Early.

**Fordhook Early**—One of the largest varieties and claimed to be the earliest of all. Shape nearly round. Color a medium shade of green. Flesh bright red and deliciously sweet flavor. The rind is sufficiently hard to make it a good shipper.

**Phinney's Early**—One of the best sorts for private gardeners who deliver direct to customers. Vines moderately vigorous, hardy and productive; fruit medium sized, oval, bright green, finely mottled; rind thin, flesh bright scarlet; solid, crisp and tender.

**Kleckley's Sweet**—The best quality of all watermelons. Large oblong melon 20 inches in length by 10 to 12 inches in diameter. The skin is dark green, flesh bright scarlet, the rind only about one-half inch in thickness. The scarlet flesh is sweet and sugary and is of such texture that it leaves no strings of pulp whatever in eating. The melon is better for home use than for shipping, and we believe it is the best table melon today.

**Mountain Sweet**—Very early, medium size, smooth skin with mottled and dark green stripes. Flesh light red, deliciously sweet.

**Improved Kolb's Gem**—The standard shipping watermelon. Shape oblong, nearly round, striped and mottled, dark green. The melons grow very large and the tough thin rind, permits considerable handling and shipping. Our improved strain is a week earlier than the ordinary Kolb's Gem, grows larger and is a heavier yielder.

**Ice Cream or Peerless**—A popular home-market variety, with dark green, mottled skin. Flesh deep pink.

## CITRON--For Preserves



Citron.

**CITRON—Red Seeded**—Fruit round and smooth. Is not eaten raw, but is useful for making a very clear, transparent preserve of peculiarly fine flavor. Flesh, white and solid.

**CITRON—Green Seeded**—Same as above with green seeds.

## MUSTARD

1/4 oz. to 100 feet of row. Two to three lbs. to the acre.

**White**—The green leaves are used as a salad when a few inches high. If sown in a warm place or in a hotbed will be ready to cut in a few days; sow frequently for a succession of crops.

**Giant Southern Curled**—Large variety, forming great mass of beautiful leaves, ruffled and finely curled on edges; used for salads. Hardy, vigorous and highly recommended.

FOR PRICES SEE RED INSERT—PAGE 80.

## MUSHROOMS



Practically no capital is required in the mushroom business, and the profits are most satisfactory. All that is required to grow mushrooms is almost any building or cellar, some manure, loam, and last and above all, good spawn. Our Pure Culture Mushroom Spawn is full of vigor, the kind used by the best commercial growers of the United States.

Pamphlet—"How to Grow Mushrooms," free for asking.

MUSHROOM SPAWN—(Lambert's Pure Culture).

## OKRA, OR GUMBO

One oz. to 100 feet of drill. 8 lbs. to the acre.

The long, tender pods of Okra are very delicious when sliced and cooked in soups. While this is the chief use, it is also boiled and served like other vegetables. The dwarf sorts may be planted in hills or in rows about three feet apart. Plant in any good soil about May 15. The pods should be gathered when very young, as they are then very tender.

**Dwarf Green**—An early dwarf prolific variety with thick, green pods.

**White Velvet**—Very tender pods, long, smooth and white.

## ONION SETS

One lb. 75 feet of Drill, 300 lbs. to the acre.

### The Importance of Using Northern Grown Onion Sets



much earlier. We can furnish them in the yellow, red or white. Yellow are generally the best as they are not so liable to run to seed. Multiplier sets are also good.

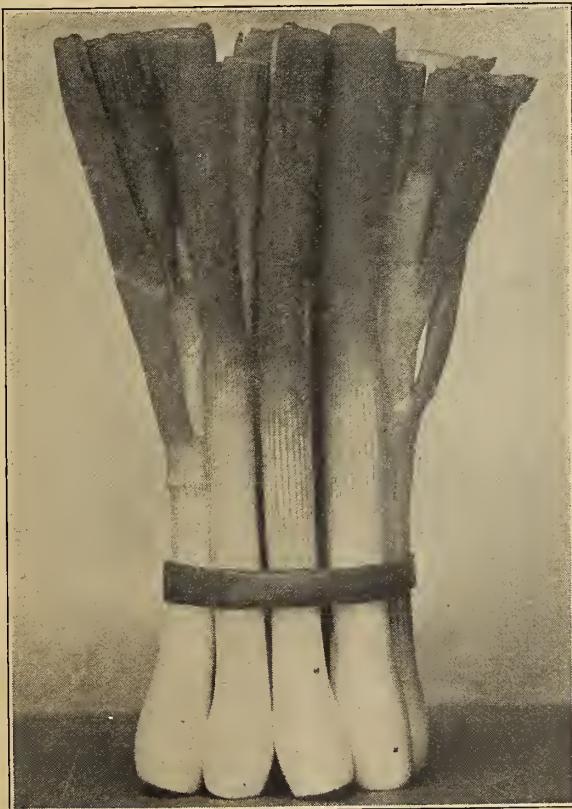
#### Sizes of Onion Sets.

It is very important that you get onion sets of the right size. If just a little too large they will run to seed right away instead of making a good onion. The rule is to sell every set below 1½ inches in diameter, but in that case there is sure to be some too large than will go to seed. Therefore we use none above ¾ inch. **White Bottom**—These are small, solid and of a beautiful silvery white; a favorite sort in private and market gardens.

**Red Bottom**—Bright deep red in color, even and dry. A popular variety.

**Yellow Bottom**—The most popular variety.

**Yellow Multiplier**—Often preferred on account of their earliness. Late in June they are fully ripe, and can be gathered. Very productive, 5 to 15 bulbs growing from one set out.



Grown From Egyptian Winter Sets.

**Egyptian Winter**—or **Perennial**—These sets are usually planted in the fall, being hardy everywhere. They never form large bulbs but produce small green onions weeks before any other sort. They are unsurpassed in sweetness and tenderness. The sets are produced on the top of the stalks. Can also be planted in the spring with excellent results.

FOR PRICES SEE RED INSERT—PAGE 80.

If unable to find what you want refer to the index.

## ONION SEED

**Ger.**—Zwiebel.

**Scad.**—Roedloec.

(One ounce for 200 feet of drill; 4 or 5 pounds in drills per acre.)

The best onions are grown on low, sandy, or mucky lands, with natural moisture and plenty of it.

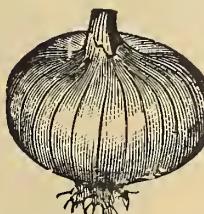
Sow the seed in March in hotbeds or in shallow boxes in the house, transplanting to the open ground in May or as soon as the ground is warm and in good condition. Follow this method for an early and successful crop.

The crop must be kept free from weeds, and it is usually necessary to weed out in the row by hand once or twice. Hoeing between the rows may be done oftener. It is not necessary to thin the plants in the row, since some thinning is naturally done during the hand weeding.

Steady, even growth is necessary to good onions and a check in growth, whether from disease or drought causes them to run to seed badly.

Different markets and localities prefer different onions. Globe onions are generally most popular and yield better than the other sorts. Flat onions are earliest and the large sized kinds have the best flavor. All seed is tested as to vitality.

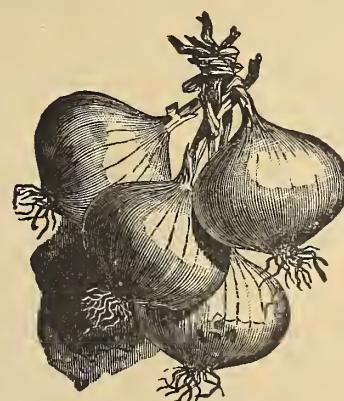
#### WHITE VARIETIES.



Onion—Silver King.

**White Pickling**—For early bunching, pickling, etc. Small, hard, round; keeps well; does not turn green when exposed to sun.

**White Portugal or Silver Skin**—The best known and most largely used white onion. Is flat on the bottom and thick toward the top, very hard and firm and an excellent keeper.



Onion—White Pickling.

**Early White Barletta or White Queen**—An exceedingly early variety growing about 1½ inches in diameter, and ¾ of an inch thick. A most excellent sort for bunching and pickling.

**Mammoth Silver King**—An early large white, flat variety. Is not a keeping sort nor a good shipping variety, but is valuable for home use and nearby markets. Very mild and fine flavor.

**White Welsh**—Distinctly a bunch onion, and ready for pulling for this purpose very early. Very mild and delicate flavor.

**Southport White Globe**—A very desirable variety which yields an abundant crop of fine large onions. Pure white color, mild flavor and equally good for keeping as the Yellow Globe. It is an enormous yielder and always sells at high prices. It is best to dry these onions in a shady place and give plenty of air.

FOR PRICES ON ALL VEGETABLE SEEDS—SEE RED INSERT—PAGE 80

## ONIONS—(Continued).

FOR PRICES SEE RED INSERT—PAGE 80.



Onion—White Portugal.

Onion Yellow Globe Danvers.

## RED VARIETIES.

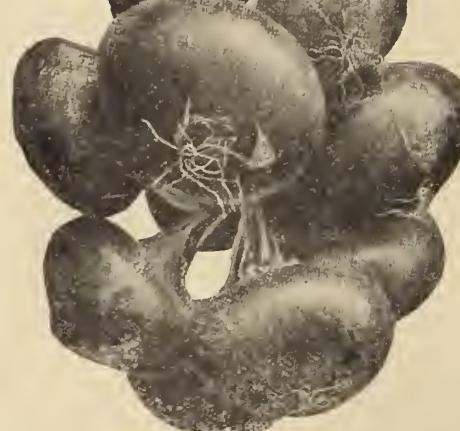
**Large Red Wethersfield**—This strain of the Red Wethersfield has been especially selected for its fine color. It is the darkest red onion in existence, and where a market demands a dark red onion, it has no superior. Inclined to run a small percentage of thick necks on moist, strong soils. The very best for dry, rather poor places.

**Southport Red Globe**—Large globe-shaped, purplish-red variety, and an excellent keeper.

**Extra Early Red Flat**—The first to ripen and one of the handsomest of the red sorts. A medium sized variety and abundant producer and very uniform in shape and size.

## BROWN SKINNED.

**Australian Brown**—An early and very hardy variety which does especially well in Montana. Should be planted early, on low, wet ground to get large bulbs. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into the spring, and much longer than other varieties.



Onion—Large Red Wethersfield.



Onion—Australian Brown Globe.

We guarantee safe delivery of your seed order by Parcel Post if insured. See seed order blank—and add insurance fee. 5c will insure package to value of \$25.00.

## YELLOW VARIETIES.

**Yellow Globe Danvers**—This onion is the standard winter sort in many markets. The shape is almost globe form and the bulbs are quite large, with thin necks, ripening down well. The skin is a fine brown orange yellow, while the flesh is pure white, solid and of good quality. Its keeping qualities are of the best. This strain is so nearly globe shaped that it passes for a globe, and its earliness makes it valuable for market. Our seed is the very best selection that care can make it.

**Yellow Danvers Flat**—An early productive variety. The onions are of medium size, skin coppery yellow, flesh solid, white and mild flavored. Our strain is remarkable for its freeness from thick necks and is especially adapted to the growing of Yellow Bottom Onion Sets. A very fine sort for most locations.

**Prizetaker**—Largest Yellow Globe Onion. Excellent keeper of finest flavor, handsome shape and enormous size, many single onions have been raised to weigh five pounds and over from seeds the last year. It is of the same type as those immense imported onions which can be seen in stores and always command a very high price.

Winchester Wyo., Aug. 8, 1919.  
State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—I am writing you to tell you how well we were pleased with those last flowers you sent me. They were fine—more than any one could expect for such a small price. They came through in splendid condition. I am enclosing another order for my sister, and hope you please her as well as you have us.  
Mrs. Chas. Hanner.

## PARSLEY

Ger.—Petersilie.

(One oz. for 150 feet of drill.)

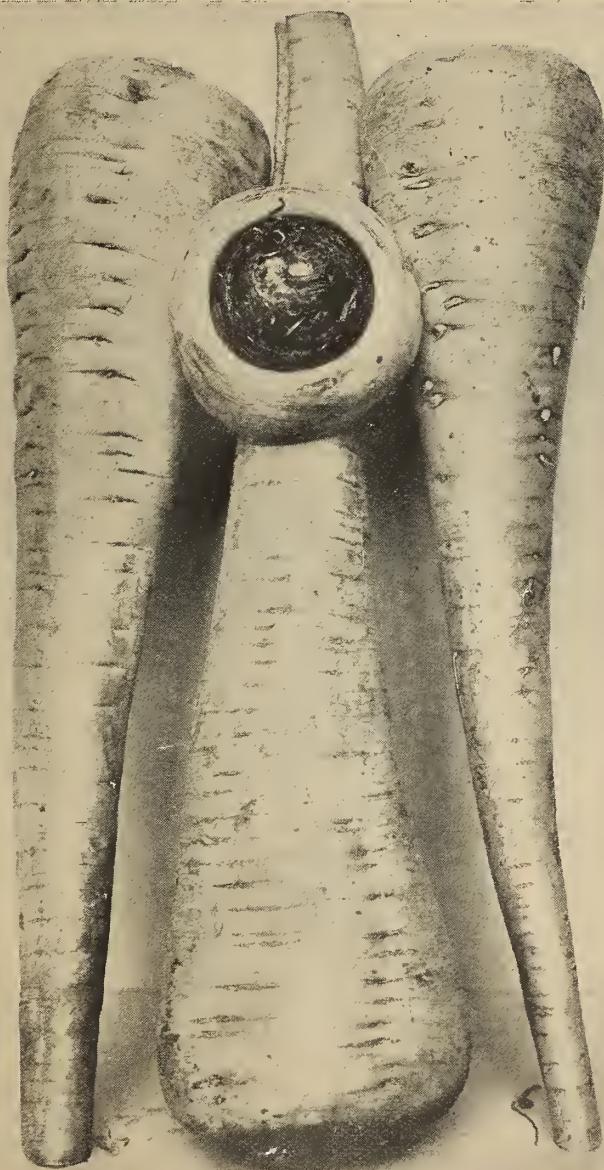


Parsley—Moss Curled.

this when well grown; it is hardy and slow to run to seed; every gardener's favorite.

**Extra Double Curled**—In shape of leaf, color and taste this new variety is perfect. It stands heat, drought and cold better and will yield better than any other of the numerous varieties of Parsley we have ever had.

**Hamburg or Turnip Rooted**—Turnip rooted variety. The roots as well as the leaves are used for flavoring soups, etc. The roots are stored like Carrots for winter use.



Parsnip—Hollow Crown.

Scand.—Persilie.

Parsley succeeds best in rich mellow soil. As the seed germinates very slowly, it should be sown quite early in the spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. For winter use, protect in a frame or light cellar or a few plants may be placed in pots or boxes and kept in the house.

**Moss Curled**—There is no more attractive variety than

Ger.—Pastinake.

Scand.—Pastinak.

(One ounce for 200 feet of drill, 5 to 6 lbs. in drills per acre.) Sow as early in the spring as the weather will admit, in drills 15 inches apart, covering half an inch deep. It is usual to take up in the fall a certain quantity for winter use leaving the rest in the ground till spring, to be dug up as required.

**Hollow Crown**—Finest variety of Parsnips known; the roots run of uniform size and are smooth. They make an excellent change from ordinary winter vegetables.

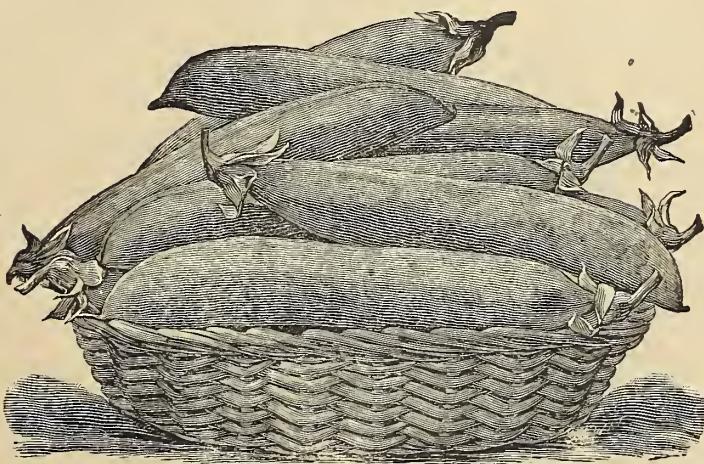
**Improved Guernsey**—For those who like an early Parsnip this variety will be found very useful; not as large as the longer varieties.

**Sweet Marrow**—A new Parsnip from Europe of especial merit. A fine grained, sweet table variety.

FOR PRICES ON ALL VEGETABLE  
FOR PRICES SEE RED INSERT—PAGE 80.

## PARSNIPS

Inoculate this  
Seed with  
FARMOGERM.



Parsnip—Hollow Crown.

Ger.—Erbser.

Scand.—Dan-Nor.

(1 lb. to 100 feet of drill; 80 to 100 lbs. to the acre.)

1 lb. is a little more than 1 pint. 2 lbs. is a little more than 1 quart.

Peas are quite hardy, and for early crop sow as soon as the ground can be worked. Then sow in succession every two weeks until the first of August. They require moderately rich soil but not excessively rich or wet, or they will run too much to vine and will not bear heavily. The dwarf varieties can be planted in rows 12 to 18 inches apart, and the tall varieties 3 ft. apart. The tall varieties should be staked up by brush or tied up. By using the various classes of peas and making several sowings of each, good peas can be had for a long season. The pods should be kept picked, the plants will then continue to bear longer. For late sowing, use the Early Dwarf varieties.

## EXTRA EARLY ROUND SEEDED VARIETIES.

**Alaska or Earliest of All**—The earliest pea on the market. The seed is smooth and of bluish color. On this account it is very popular with canners. Very uniform in ripening and an excellent yielder.

## EXTRA EARLY DWARF WRINKLED VARIETIES.

**American Wonder**—In the dwarf compact growing extra earlies the American Wonder leads all others, can be grown in rows 18 inches to two feet apart. They are quite prolific; the crop can be gathered in 2 or 3 pickings and the soil cleared for succeeding crops. 9 to 12 inches high.

Peas—  
American Wonder.

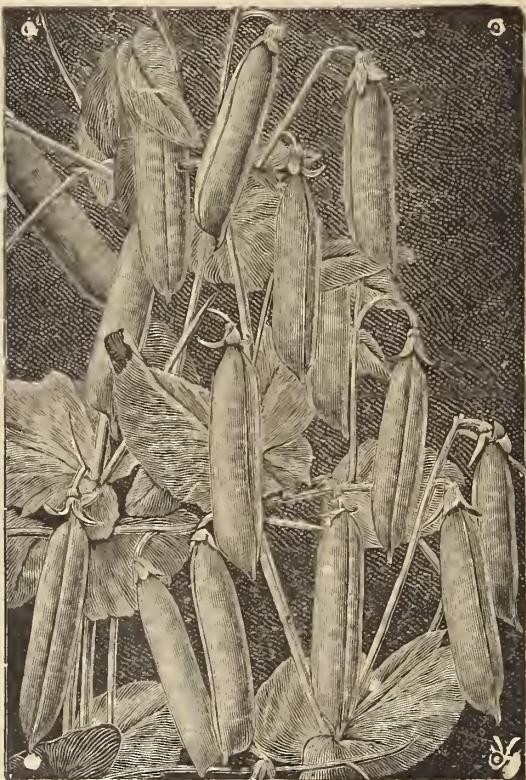


## PEAS—EXTRA EARLY WRINKLED—(Continued.)



Peas—Little Marvel.

**Little Marvel**—A new dwarf, first early Pea of unusual value. Height of vine 18 inches, with dark green foliage. Small blunt, dark green pods. Fit for table use in about 53 days. Valuable for family or market gardener's use.



Peas—Little Gem.

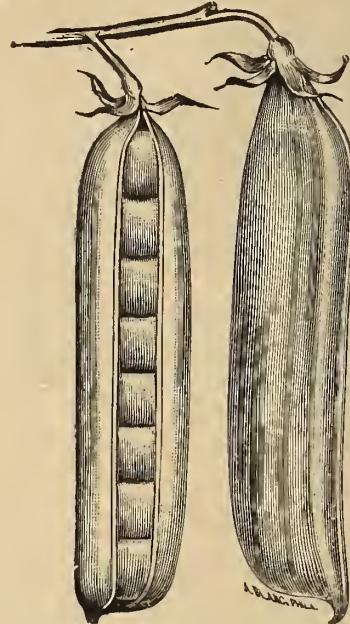
**Little Gem**—The best and most popular dwarf, wrinkled variety, especially with market gardeners. Grows about 15 inches high and bears good-sized pods, which are filled with 6 to 8 peas of especially fine, sweet flavor.

**Notts Excelsior**—Resembles the Gem in habit, but more dwarf and uniform in growth. Height from 10 to 12 inches. Pods are light in color, round, about 2½ inches long. Fit for picking 56 days from planting.

## EARLY WRINKLED VARIETIES.

**Carter's Daisy**—**Early Dwarf Telephone**—Dwarf, large podded; needs no brush. The striking features of the Daisy pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Little Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale.

**Gradus**—The most popular high quality extra early, wrinkled pea. This remarkable pea is not only large and of the best quality, but is within two or three days as early as the small round, extra early sorts. Gradus is a wrinkled pea, growing about 30 inches high; the pods are of a bright green color, measuring 4 inches with luscious peas, 8 to 10 or more in a pod. The peas are of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A grand pea in all respects.

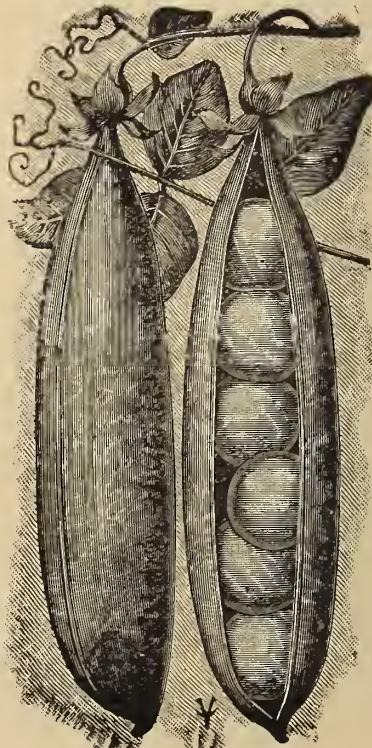


Peas—Yorkshire Hero.

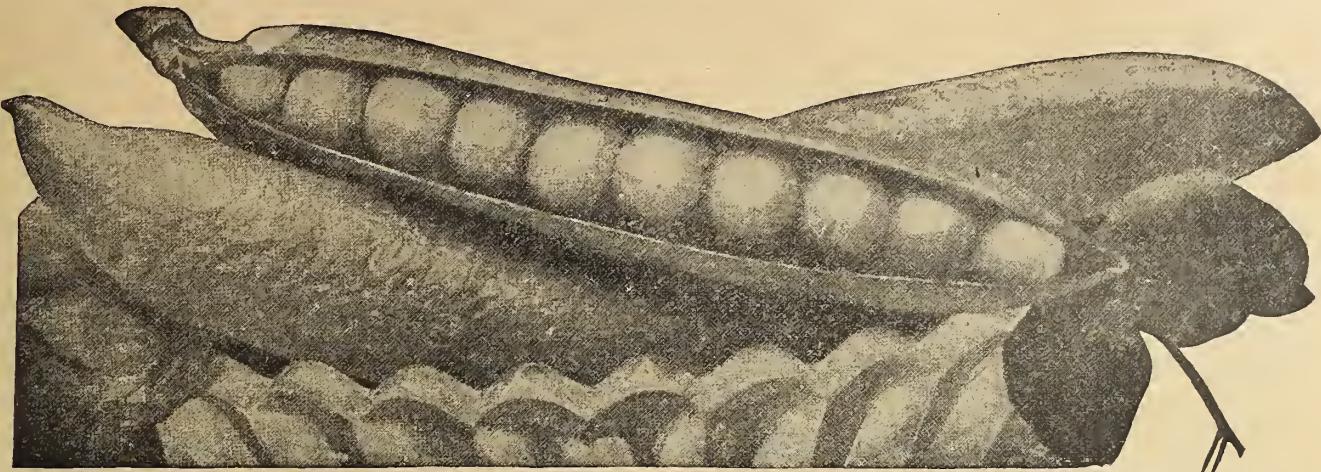
## MAIN CROP VARIETIES.

**Yorkshire Hero**—Hardy, productive and upright in growth, bearing near the top of the stalk broad, pointed pods with peas of good quality, foliage dark green, 23 to 28 inches in height. Pods 2½ to 3 inches long, blunt, light green in color. Fit for use from 60 to 65 days from planting. Seed large green wrinkled.

**White Marrowfat**—Large peas of good flavor; grown as a field crop, they are very profitable feed for stock or hog feed; our stock is the true smooth seeded Marrowfat.



Peas—Gradus or Prosperity.



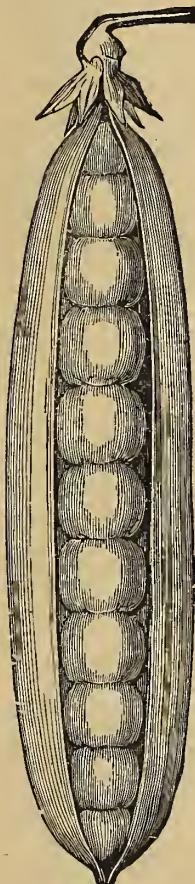
Peas—Roosevelt.

**Roosevelt**—This splendid pea is of the same large podded type as the Telephone but the pods are larger and the peas sweeter. The Roosevelt Pea surpasses all other large-podded varieties in another particular, that of productiveness. In other words, a pint of Roosevelt pea pods will yield as many shelled as a quart of most other sorts. Quality is always to be preferred to quantity, but a pea which will give better quality and larger quantity is the pea to plant; that pea is the Roosevelt.

**Champion of England**—Medium late variety and one of the most popular of the tall, wrinkled sorts. Prolific, hardy and of fine quality.

**Telephone**—Medium late. This fine pea has proved a valuable acquisition; vines vigorous, growing about four feet high and producing an abundance of large pods filled with immense peas, which are tender, sweet and of excellent flavor. It has sterling merit, which gardeners appreciate.

FOR PRICES ON ALL VEGETABLE SEEDS—SEE RED INSERT—PAGE 80



Peas—Champion of England

## PEPPERS

Ger.—Pfeffer.

Scand.—Spankspebr.

One ounce will produce 1000 to 1500 plants.

**Large Bell or Bull Nose**—Flesh thick, hard and less pungent than most other varieties, excellent quality for use in salads or for stuffed peppers. Sometimes three to four inches in length.

**Sweet Mountain**—Vigorous and productive, fruit is large and smooth, flesh thick, fine flavor.

**Cayenne Long Red**—Pods are small, cone shaped and red, hot and pungent, used for pickling.



Pepper—Large Bell or Bull Nose.

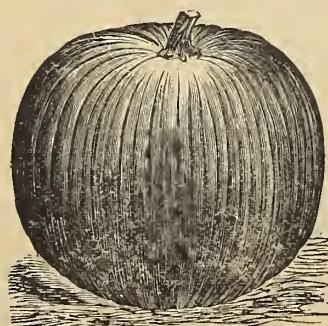
## PUMPKINS

Ger.—Melonen-Kuabis.

Scand.—Graeskär.

(One ounce for 25 hills—three lbs to the acre.)

**Culture**—The common practice is to drop two or three seeds in every third or fourth hill in the cornfield, but if cultivated on a large scale, the seed may be sown in hills 8 feet apart each way, four plants to each hill.



Pumpkin—Connecticut Field.

**Connecticut Field**—An immensely productive, large orange colored field pumpkin. Usually grown for stock feeding, but it also makes good pies. The standard field pumpkin.

**Japanese Pie**—An early crook-neck variety. The seeds are marked very curiously. Flesh deep yellow of fine quality. Keeps well.

## PUMPKINS—(Continued.)



Pumpkin—Large Cheese or Kentucky Field.

**Large Cheese or Kentucky Field**—The well known pumpkin. The fruit is variously colored in yellow, drab, red and orange, and varies in size, but is usually very large. Extra fine quality for family and market use. It is also grown quite extensively for stock feeding.

**Tennessee Sweet Potato**—The best variety for home gardens. **King of the Mammoth or Jumbo**—The largest of all the Pumpkins.

**Early Small Sugar or Pie**—A medium or small sized Pumpkin, very productive, and very sweet. The best for home use.

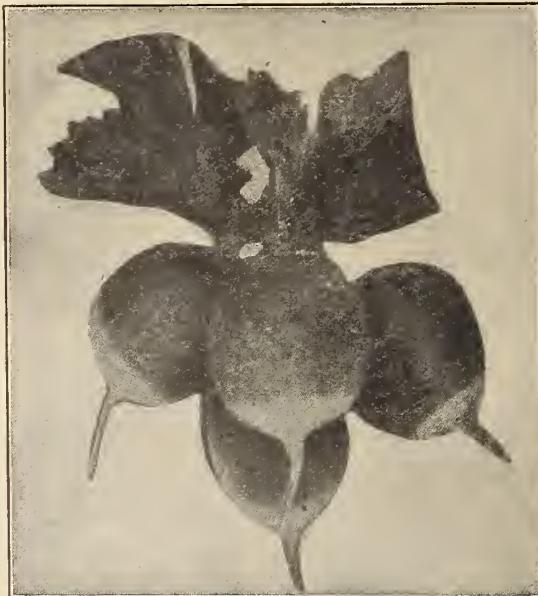
**Winter Luxury**—Medium size, nearly round, skin a beautiful deep orange yellow, finely netted. Very productive, sweet, tender, and an excellent keeper.

## RADISH

## Ger.—Radies.

Scand.—Reddik. One ounce will sow 100 feet of drill, 8 to 10 lbs. to the acre. Being a root crop, good brittle Radishes require light, well worked soil, made very rich and mellow to insure quick growth. If permitted to grow slowly, they become tough and pithy. They are easy to grow and frequent planting will insure a constant supply for the table. Thin the very young plants somewhat to prevent crowding. Summer varieties can be sown all spring and well into summer. Winter varieties, however, require some time to mature; the seed of these should be planted in June or July.

## EARLY ROUND VARIETIES.



Radish—Early Scarlet Turnip White Tipped.

**Early Scarlet Turnip White Tipped**—A splendid early Radish, very attractive appearance; its white tip and deep scarlet are always pleasing to the eye. Very tender and of good flavor.

**Early Scarlet Turnip**—A well-known favorite Radish for early home and market use. Matures quickly, crisp and of good flavor.

**Non Plus Ultra or Early Deep Scarlet**—The roots are small, round and deep rich scarlet in color. They make a very quick growth, and are ready for use in from 20 to 30 days after sowing of seed. The flesh is white, crisp and tender, and of remarkably fine quality. The seed we offer is of the very finest strain.

**Early White Turnip**—A very quick-growing, small turnip-shaped variety. Color, clear white; very mild flavor.

**Crimson Giant Turnip Forcing**—A variety extraordinary, in that while growing to an unusually large size, is always tender and of mild flavor. It remains in perfect condition a remarkably long time and unlike other forcing varieties, does not become pithy even when twice their size in diameter.



Radish—Early Scarlet Globe.

**Early Scarlet Globe**—One of the earliest; flavor mild, crisp, juicy and tender. It forms a small top and will stand a great amount of heat without becoming pithy.



Radish—French Breakfast.

**French Breakfast**—Medium size, olive-shaped Radish, small top, scarlet except at the tip, which is white; a splendid table variety for either forcing or outdoor culture. Makes rapid growth. A great favorite.

## RADISH—(Continued.)

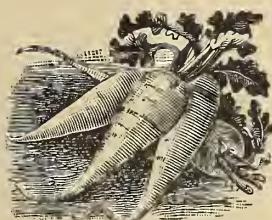
## LONG VARIETIES.

Grow larger than early varieties and remain in good condition longer.



Radish—Icicle.

**White Strasburg**—In our opinion there is no better Radish grown; the roots are white and grow to a large size, four to five inches long, for sweetness, tenderness and flavor it is unequalled. Keeps crisp and tender for a very long time.



Radish—White Strasburg.

**Long Scarlet Short Top**—This bright scarlet short topped sort is about 5 inches long, growing half out of the ground; is uniformly straight and smooth, crisp and brittle; an excellent variety for private gardens or market.

**Cincinnati Market**—An early variety, splendid for forcing or open ground. The tops are small and they stand close in the row. Straight and smooth—clear bright red in color—flesh very tender.

FOR PRICES SEE RED INSERT—PAGE 80.

## WINTER VARIETIES.

Do not sow until the latter part of June.

**China Rose**—One of the best fall and winter varieties, firm, white flesh.

**Mammoth White China or Celestial**—Flesh solid and brittle; pure white; flavor mild or slightly pungent. A splendid keeper for use in winter; very showy.

**Long Black Spanish**—The latest and hardiest of all the winter Radishes; roots black, long, large and good keeper, pull before severe frost and store in damp sand in root house.

**Round Black Spanish**—A round form of above.

**Sakurajima or Mammoth Japan**—This is a mammoth variety, and is said to be the largest variety that is obtainable in Japan. Very tender and round.

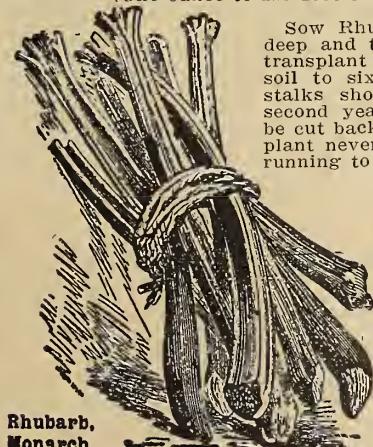
**Nerima or Mikado**—A wonderful product of the Orient, with snow-white flesh very tender and under good conditions growing from two to three feet in length.

## RHUBARB

Ger.—Rhababer.

Scand.—Rhababer.

(One ounce to 125 feet of drill, 1 lb. to acre.)



Sow Rhubarb seed in drills one inch deep and thin out to six inches apart; transplant in the fall to deep, manured soil to six feet apart each way. The stalks should not be pulled until the second year. The bloom stalks should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

**Monarch**—Largest and most productive variety known. Will grow 15 to 20 inches long and fully 1½ inches broad. A popular variety.

**Victoria**—Very large, highly colored and of good flavor.

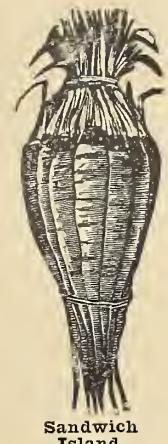
## SALSIFY OR OYSTER PLANT

Ger.—Hafer-Wurzel.

Scand.—Havrerod.

(One ounce will sow 100 feet of drill, 8 pounds to the acre.)

**Culture**—Sow the seed in light, deep soil, early in spring, in drill 12 inches apart and 1 inch deep, thinning out the young plants to 4 or 5 inches. The roots will be ready for use in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground till spring, but should be dug before commencing their growth.



Sandwich Island Salsify.

**Mammoth Sandwich Island**—We consider this the largest and most profitable salsify in cultivation; roots are two to three times the size of the ordinary salsify, and of more agreeable flavor. It is pure white in color, and invaluable to market gardeners.

## SPINACH

Ger.—Spinat.

Scand.—Spinat.

(One ounce for 100 feet of drill; 10 to 12 pounds in drills for one acre.)

The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with frosts; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.



Spinach—Improved Thick Leaved.

**Improved Thick Leaved**—This variety grows very quickly, forming a cluster of slightly wrinkled leaves of fine color and quality. Especially recommended for market gardeners. Sow in rich ground—the richer the better. If for early spring use sow in the fall and protect the young plants with a covering of light manure or straw.

**Long Standing**—The best variety for family use, as it remains in good condition longer without running to seed than the round leaved sorts. Thick, well flavored leaves.

**Bloomsdale Savoy Leaved**—One of the best of the savoy leaved type, with thick heavily curled leaves. Very succulent and tender.

**Prickly Winter**—One of the hardiest varieties with medium sized leaves. Very tender.

**New Zealand**—The stems and leaves of this variety are soft, thick, fleshy and crystalline in appearance. Started early in the spring, the plants will resist heat and make strong growth during the summer.

Rhubarb, Monarch

# SQUASH

Ger.—Kurbiss.

Scand.—Squash-Graeskar.

(One ounce to 25 hills; 3 to 4 lbs. to the acre.)

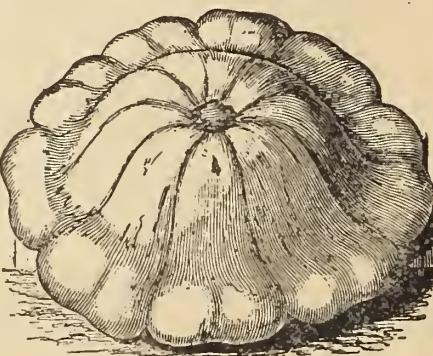
There are two distinct types. The Summer is cultivated for the tender young fruits which are used in the green or growing stage during the summer months. The Winter Squashes produce larger hard-shell fruits, which are gathered in the fall before there is danger of their being injured by frost, and stored in a warm, dry place for winter use. A few of the varieties, notably Fordhook, may be used in either state.

## SUMMER VARIETIES.

**Early White Bush Scallop**—The fruit is a beautifully waxy white of superior quality; the best early Squash.

**Fordhook**—Flesh dry and sweet, of excellent quality; matures and has the advantage of being usable at any stage of its growth.

**Early Summer Crook-neck**—A very early medium-sized Crook-neck Squash of uniform size and shape. Color bright yellow, shell very hard when mature. A standard variety.



Squash—White Bush Scallop

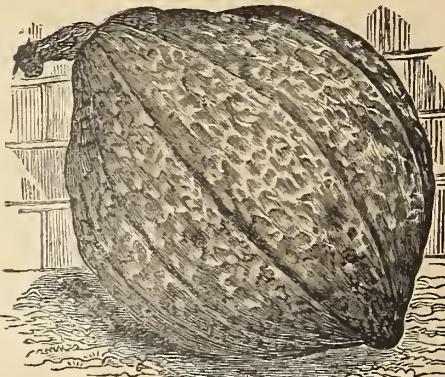


Vegetable Marrow.

**Vegetable Marrow**—The favorite English Long White sort. The fruit is very desirable in size, from 9 to 19 inches in length and from 4 to 6 inches in diameter. Skin flesh white, and of rich flavor. This is distinct from all other varieties of squash. Plant 8 feet apart. The best variety of the Vegetable Marrow Squash.

## WINTER VARIETIES.

**Chicago Warted Hubbard**—It is similar in size and quality to the Hubbard. The vines are vigorous and productive, while the large dark olive-green fruits are rather more heavily warted. Very handsome in appearance; an excellent keeper and of splendid quality.



Squash—Boston Marrow.

FOR PRICES SEE RED INSERT—PAGE 80.

## SQUASH—WINTER VARIETIES—(Continued.)

**Red or Golden Hubbard**—This is identical in size, form and fruitfulness with the Chicago Warted Hubbard, the chief distinction being that the heavily warted skin is of a rich orange yellow, turning to a deep salmon red when ripened. It is of most attractive appearance, fine in quality, and should be one of the most profitable market sorts.



Squash—Improved Hubbard.

**Improved Hubbard**—This old and popular favorite is still one of the very best winter Squashes grown; always richly flavored. The vines are luxuriant growers and very productive, yielding large squashes of dark bluish green color, weighing often 10 to 25 pounds each. Properly stored, it may be kept from September to May.

**Sibley or Pikes Peak**—An excellent winter squash, similar in shape to the Hubbard. Very fine grained flesh, and a splendid keeper.

**Delicious**—This variety in dryness, sweetness and richness of flavor is of the first rank. The shell is green in color, the flesh of a rich orange. An excellent winter keeper.

**Boston Marrow**—A fall or early winter variety, very popular; oval, skin thin, flesh salmon yellow, fine grained; when ripe, bright orange color; matures in this locality the end of August.

# SUNFLOWER

**Mammoth Russian**—(For prices see red insert, page 80)

For description see Field Seeds.

# Swiss Chard (See Page 79)

Lovell, Wyo., April 22, 1919.  
State Nursery & Seed Co.,  
Helena, Montana.

Gentlemen:—The seeds and plants we ordered last week arrived safely and in excellent condition, being so well packed they looked perfectly fresh. So well pleased are we that we are sending another order. Thanking you, we remain,

Sincerely,  
Mr. and Mrs. H. S. Jolley.

# TOMATO

Ger.—Liebesapfel.

(One ounce will produce 3000 to 4000 plants.)

Acme—An old variety of delicious flavor, very solid, of a pinkish color.

Bonny Best—Early Tomato. It has been tested and found ten days earlier than the Chalk's Early Jewel and ripens with the Earliana. Strong grower, very productive, ripens evenly all over, excellent shipper.

Scand.—Tomat.



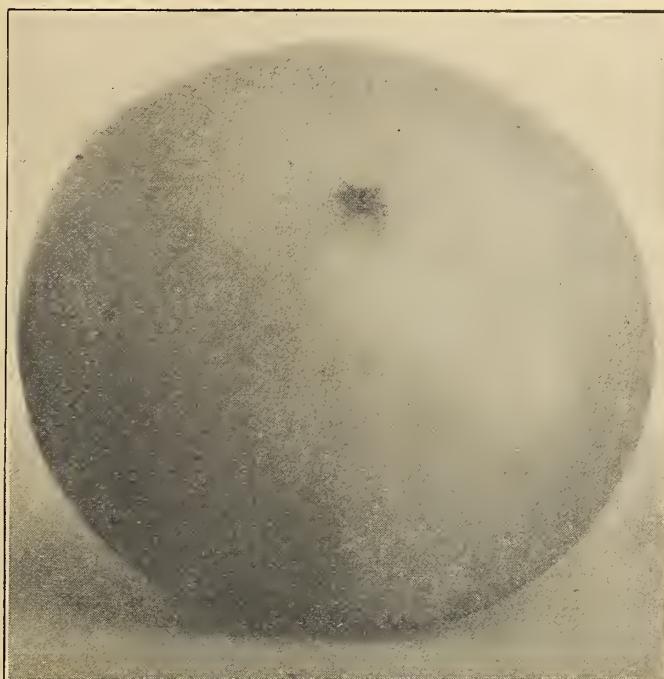
Tomato—John Baer.

**Truckers Favorite**—This has literally jumped into favor with market gardeners everywhere, for its early and continuous bearing qualities. A purple variety, smooth, uniformly shaped. Very solid, does not crack, and a first-class shipper.

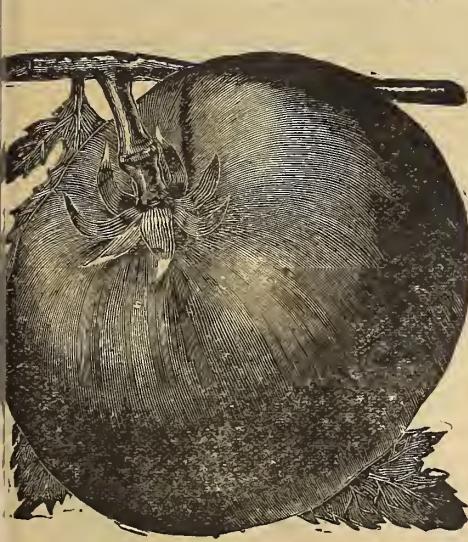
**Beauty**—Fruit large and smooth; excellent flavor, good shipper, the best all round variety for Montana, does not crack. Glossy crimson, with a light purple tinge.

**New Stone**—Grown more extensively than any other for main crop variety, especially by market gardeners. Very large, smooth and solid, of a bright red color, and a heavy yielder.

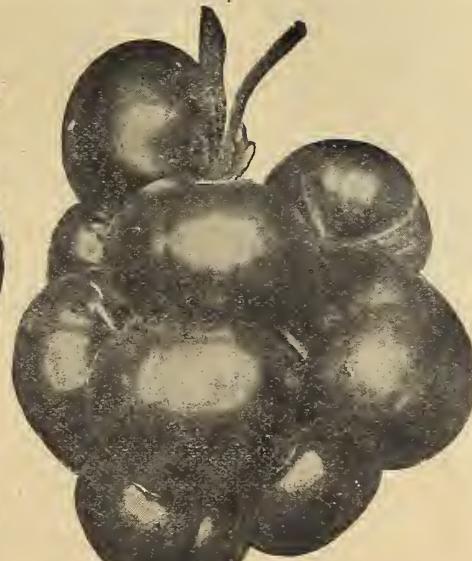
**Spark's Earliana**—The earliest tall variety, forming ripe fruit much earlier than any other. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use.



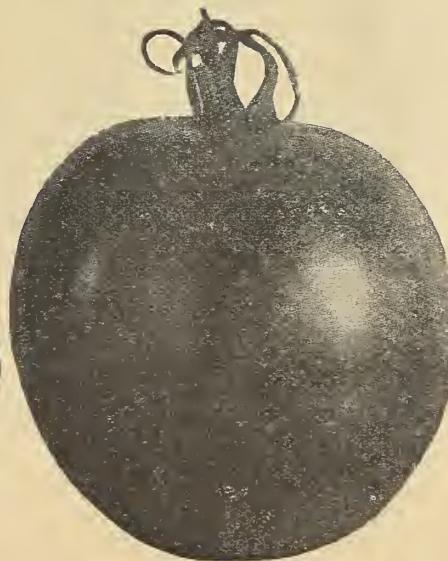
Tomato—Bonny Best.



Tomato—Earlibell.



Tomato—Dwarf Champion.



Tomato—Spark's Earliana.

**Earlibell**—The earliest Tomato we know. Its heavy clusters of beautifully formed, medium-sized fruits ripen several days before any other variety. Although so wonderfully early, there is none of the distiguring corrugation found in other early sorts, while at the same time Earlibell does not crack.

**John Baer**—The seed of this Tomato was purchased by us four years ago from one of the largest growers in the East, who recommended it as the earliest of all tomatoes, and our experience with it bears out this recommendation. The fruit is a bright red color, of good size, round, smooth, very solid and producing very few seeds.

**Golden Queen**—Is solid, very smooth, free from ridges, large in size, ripens up evenly and is a handsome sort; in fact, by far the most beautiful yellow variety; excellent quality.

**Dwarf Champion**—On account of its dwarf, compact habit, it can be planted quite close. Wonderfully productive, the dark reddish purple fruit being very solid and firm. Of medium size. Very desirable for the home garden.

**June Pink**—Appeals especially to those who like the pink color. The fruits grow in clusters, and begin to mature very early; measure 3 inches in diameter and are of excellent quality.

## TOMATOES—(Continued.)

## SMALL FRUITED VARIETIES.

For pickling and preserving. Invaluable for garnishing.  
 Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb. .... \$4.50

**Red Pear**—Fruit handsome and solid; fine for preserves.  
**Red Peach**—  
**Red Plum**—  
**Red Currant**—  
**Red Cherry**—Small fruits used for pickles, very handsome.  
**Winter Cherry, or Purple Husk Tomato**—Makes fine sauce.  
**Yellow Cherry**—For pickles and preserves.  
**Yellow Plum**—Round and regular, bright yellow; used for pickles.  
**Yellow Peach**—  
**Yellow Pear**—  
**Ground Cherry, Strawberry, or Yellow Husk Tomato**—Plants of low-spreading growth and immensely productive. The small yellow fruits are each inclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies.

## TURNIP

Ger.—Steckruebe.

Scand.—Turnips.

(One ounce will sow 150 feet of drills; 2 pounds will sow an acre.)

**Culture**—For early use, sow as soon as the ground can be worked in spring, in drills 15 inches apart, and thin to 8 inches apart as soon as plants are large enough to handle. The sowing should be made just before rain, if possible, a rapid growth being important.

For feeding stock in fall and winter there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely for we are sure the crop will prove remunerative.

## WHITE VARIETIES.

**White Milan—Extra Early**—Very small top, upright and compact; the clear white roots are very smooth, symmetrical and beautiful; there is no better turnip for early bunching; fine grained, tender and sweet.

**Purple Top Milan—Extra Early**—Very similar to the White Milan except that the roots are a little more flat, and the top of the root is purple.

**Early Snowball**—A medium globe shaped variety of pure white. Very solid and of the finest quality for table use.

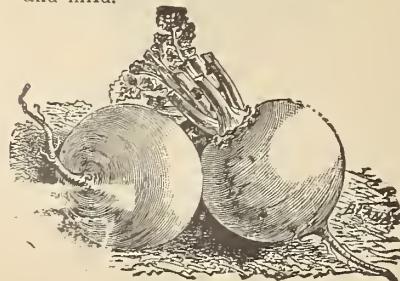


Turnip—Purple Top Strap Leaf.

**Purple Top Strap Leaf**—The most generally planted of any variety. It is a quick grower, the flesh is very fine grained and sweet flavored. The red top of the bulb extends down to where it rests in the soil.

**Purple Top White Globe**—Round, globe shaped about six inches in diameter, with smooth, white skin; flesh pure white, firm and crisp, and of quick growth. A good keeper and fine for market.

**White Egg**—An old favorite, egg-shaped, perfectly smooth, firm and mild.



Turnip—Golden Ball.

## YELLOW VARIETIES.

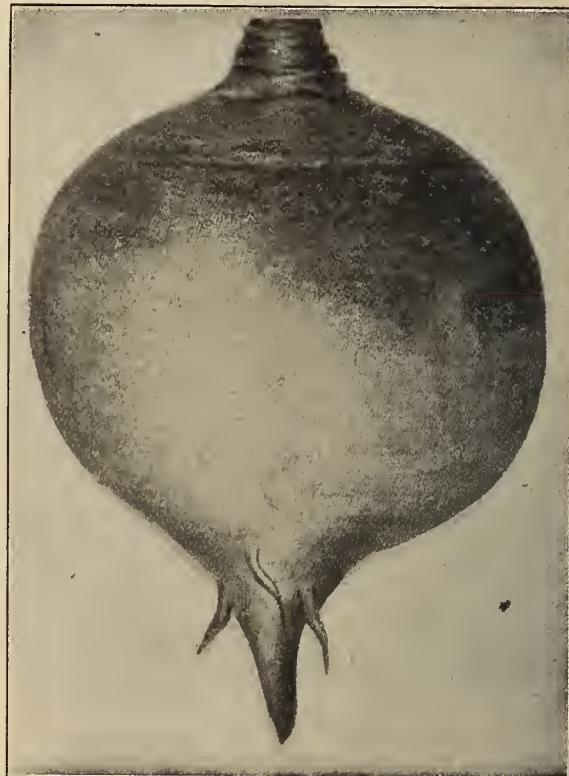
**Golden Ball**—The most delicate yellow fleshed turnip; of medium size form, hard and of superior flavor. Valued highly as a table variety.

## RUTABAGA

## Russian or Swedish Turnip.

These require a longer season in which to grow than do other turnips; the seeds should be sown about the first to the middle of June.

**Bangholm**—The seed of this variety of Rutabaga is grown in Denmark by "Daehnfeldt," who has been awarded a first class certificate on several occasions by the Danish government for the Best Cropping Rutabagas. An oblong globular shaped root with small neck, yellow flesh, very dark purple top and is superior to all other varieties.



Rutabaga—American Purple Top.

(See Colored Plate—Back Cover.)

**American Purple Top**—This strain is of American origin and is a purple top yellow variety. Excellent for table use and also for stock feeding. A most desirable variety.

**Prize Winner**—Short neck, small top, firm flesh, symmetrical shape, united with high feeding value, great productiveness, hardiness and long keeping qualities, describes the perfect Rutabaga. Every root of the Prize Winner more nearly approaches the ideal than any other strain.

**Large White, or Sweet German**—A very large variety, with white skin and white flesh which is tender and sweet.

**Hurst's Monarch**—A very distinct type, of the tankard shape, very large, yielding enormously. One of the best.



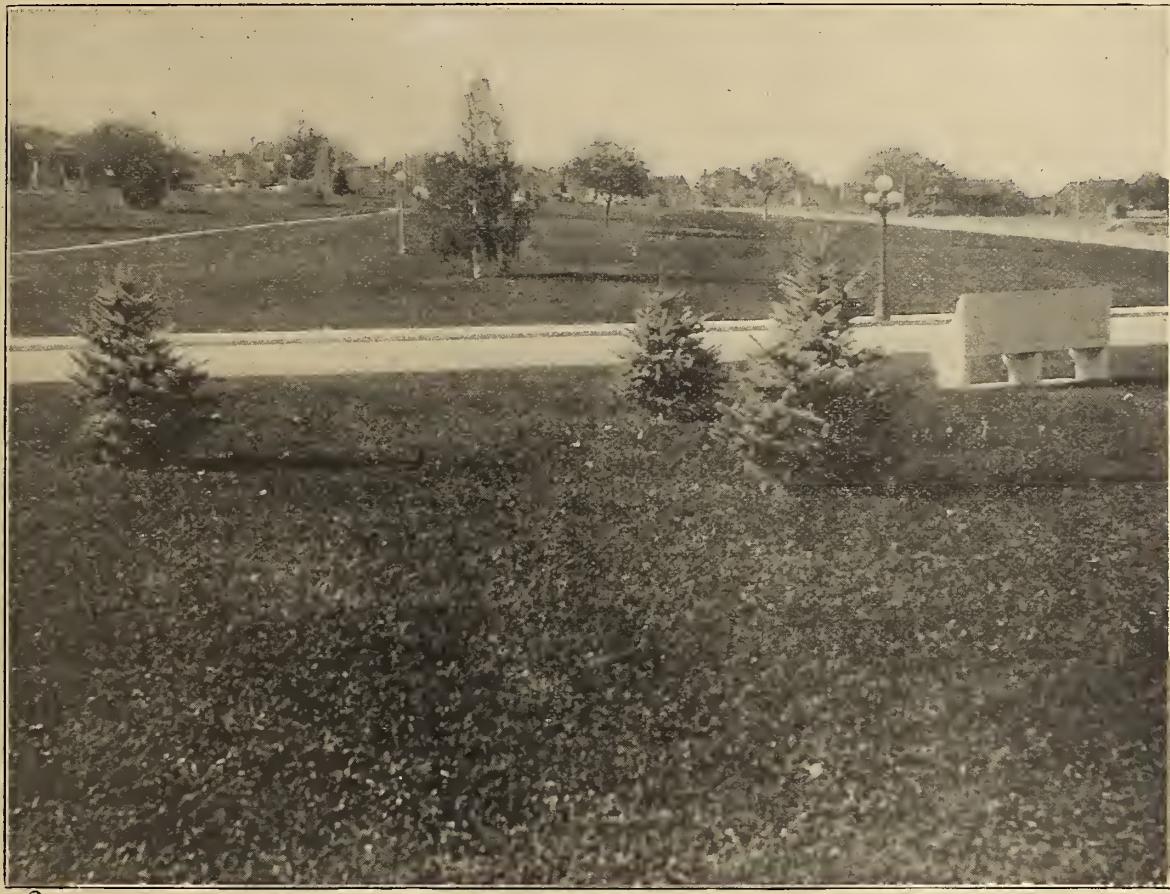
Rutabaga—Danish Bangholm.

## State Nursery and Seed Co.'s

## Rocky Mountain Lawn Grass Seed

ROCKY MOUNTAIN LAWN GRASS MIXTURE is the best that can be procured at any price, or under any brand. It is the result of years of scientific selection and test in this climate, and it is no unusual thing for lawns that are sown with this unequalled mixture to require cutting in thirty days or less from the time of sowing.

(Pamphlet on the Preparation and Care of Lawns, illustrated from actual photographs, FREE on application.)



Lawn in Hill Park, Helena. Sown with Rocky Mountain Lawn Grass Mixture.

Many of the trees shown are also from our Nurseries. The Evergreens shown in foreground are Colorado Blue Spruce. One quart will sow 200 square feet or 10x20; 5 lbs. for 2,000 square feet, or 40-50; 80 to 100 lbs. per acre or 209x209.

**ROCKY MOUNTAIN LAWN GRASS MIXTURE—**

Postpaid—Pint, 25c; qt., 40c; 5 lbs., \$1.90; 10 lbs., \$3.50.  
By express or freight at purchaser's expense—  
Pt. 20c; qt., 35c; 5 lbs., \$1.75; 10 lbs., \$3.25.

Our Lawn Grass Mixture is scientifically combined. Our experience of many years has given us an intimate knowledge of grasses, their habits and requirements. In our Rocky Mountain Lawn Grass Mixture are included only the very best varieties—pure, clean and free from foul seed.

**KENTUCKY BLUE GRASS—("Peerless" Grade)—**

Postpaid—1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.90.  
By express or freight at purchaser's expense—  
1 lb., 40c; 5 lbs., \$1.80; 10 lbs., \$3.70.

We wish to call particular attention to the cleanliness of our Blue Grass. Our seed is so thoroughly cleaned that a measured bushel weighs 24 lbs.

**KENTUCKY BLUE GRASS—("Placer" Grade)—**

Postpaid—1 lb., 40c; 5 lbs., \$1.80; 10 lbs., \$3.70.

By express or freight at purchaser's expense—  
1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.50.

Used extensively for lawns and parking streets; also makes excellent pasture or hay.

**LAWN GRASS MIXTURE WITH DUTCH CLOVER—**

Postpaid—Pint, 25c; qt., 45c; 5 lbs., \$1.90; 10 lbs., \$3.65.  
By express or freight at purchaser's expense—  
Pint, 20c; qt., 40c; 5 lbs., \$1.80; 10 lbs., \$3.40.

As there are many people who like clover in a lawn we put up a mixture as above; this mixture has gained us many friends and is increasing in popularity.

**SHADY PLACE LAWN GRASS—**

Postpaid—1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.90.  
By express or freight at purchaser's expense—  
1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.75.

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. The grasses used in making this special mixture are those that are well adapted for growing in shade.

**WHITE DUTCH CLOVER—("Peerless")—**

Postpaid—1/2 lb., 35c; 1 lb., 70c; 5 lbs., \$3.25.  
By express or freight at purchaser's expense—  
1/2 lb., 30c; 1 lb., 65c; 5 lbs., \$3.15.

This is frequently sown to cut green for chicks and fowls; also used largely in making lawns for which this variety is especially adapted.

See Lawn Requisites—the special "Gem Rake". A novel, useful and practical tool which every owner of a lawn should have.

PRICES SUBJECT TO CHANGE.

UNITED STATES FOOD ADMINISTRATION—LICENSE NO. G-33773.

# SELECT FIELD SEEDS

(Prices Quoted F. O. B. Helena)

Subject to change

No Charge for Sacks Unless Specially Noted.

Prices quoted on Field Seeds are those in effect at the time this catalog goes to press. We will maintain these prices as long as possible, but cannot guarantee them throughout the season. Order early before our stocks are exhausted. Current Price of Field and Grass Seeds during the season will be quoted on request. Please state quantity desired.

Our large new fire proof Seed Warehouse, containing nearly 20,000 square feet of floor space, located near the Great Northern R. R. Depot, is in full operation. It affords us facilities for the prompt handling of large quantities of seeds second to none, and is equipped with the most modern and up-to-date machinery for the cleaning, re-cleaning and grading of seeds that scientific ingenuity can devise. All machinery is equipped with electric motor drive for power.

Ample switching facilities for car lot receipts and shipments are provided.

The completion of this up-to-date plant places the STATE NURSERY & SEED CO. as undoubtedly the most complete establishment of its character in the northwest.

Our friends and customers are cordially invited to inspect this latest addition to our plant, also our store on Fuller Avenue, and the large Nurseries, Seed Trial Grounds and Greenhouses on the Broadwater Street Car line. Courteous employes will take pleasure in showing the different departments to visitors, and a visit to Helena is not complete without a visit to this large and most interesting branch of the business family of the city.

## SEEDING TABLE

WE RECOMMEND THE FOLLOWING QUANTITIES OF SEED TO BE USED PER ACRE:  
An acre contains 43,681 square feet—209x209 feet.

	Broadcast.	Drilled.	Broadcast.	Drilled.	
ALFALFA—For hay crop, on irrigated land .....	15 lbs.	12 lbs.	BROME GRASS—( <i>Bromus Inermis</i> ) For hay or pasture on irrigated land .....	20 lbs.	15 lbs.
ALFALFA—For hay crop on dry land .....	10 lbs.	8 lbs.	BROME GRASS—( <i>Bromus Inermis</i> ) For hay or pasture on dry land .....	15 lbs.	12 lbs.
ALFALFA—For seed crop, on dry land or sub-irrigated .....	8 lbs.	6 lbs.	BLUE GRASS—For hay or pasture on irrigated land .....	25 lbs.	20 lbs.
ALFALFA—Pedigreed GRIMM, in rows 3 ft. apart to be cultivated .....		1 lb.	ORCHARD GRASS—For hay or pasture on irrigated land .....	25 lbs.	20 lbs.
CLOVER—Medium Red, for hay crop....	12 lbs.	10 lbs.	RYE GRASS (Perennial)—For hay or pasture on irrigated land .....	40 lbs.	30 lbs.
CLOVER—Alsike for hay crop.....	10 lbs.	8 lbs.	MILLET—German, Hungarian, Siberian or Hog, for hay crop .....	30 lbs.	25 lbs.
CLOVER—Sweet, for hay crop or to be plowed under for green manure .....	15 lbs.	12 lbs.	MILLET—Japanese or Billion Dollar Grass, for hay crop.....	15 lbs.	10 lbs.
TIMOTHY—For hay or Seed Crop.....	10 lbs.	8 lbs.			
TIMOTHY AND ALSIKE CLOVER— For hay or pasture.....	10 lbs.	8 lbs.			
RED TOP—For hay crop or pasture.....	10 lbs.	8 lbs.			

## GRAINS

WHEAT—4 pecks—1 bu. or 60 lbs.

OATS—4 to 5 pecks—1 bu. and 1 peck or 50 to 60 lbs.

FLAX—16 to 30 lbs.

BARLEY—2 or 6 Row—5 pecks—1½ bu. or 60 to 70 lbs.

BARLEY—(Hulless)—4 pecks—1 bu. or 60 lbs.

RYE—45 to 50 lbs. for grain; 35 to 60 lbs. for Hay.

Having been advised by a great many of our customers that the above information would be a great benefit to farmers generally, we are glad to give the table. We find from long experience that these are the necessary amounts to sow for the various purposes stated.

Inoculate this  
Seed with  
**FARMOGERM.**

# ALFALFA==OUR SPECIALTY

Inoculate this  
Seed with  
**FARMOGERM.**

## FACTS ABO UT ALFALFA.

Alfalfa produces from 3 to 7 tons of hay to the acre. It has as much protein as Wheat bran; 360 stalks have been grown from one seed. It does not exhaust the soil, but enriches it. It can be ground into meal to feed hogs and chickens. It will grow 2 to 3 crops a year.

Alfalfa in money value is worth 45 per cent more than other Clovers and 60 per cent more than Timothy. Then milch cows can be fed on less than 2 acres by soiling. One acre will pasture 20 hogs for six months.

Three pounds a day makes a full feed for fattening lambs. Four to five pounds makes a full feed for fattening aged sheep. Thirty-five pounds makes a full feed for fattening steers.

A lamb will winter and thrive on 3 pounds a day. Sheep fed with Alfalfa will gain from 8 to 15 pounds in 75 days and will double, with small grain ration added. Lambs wintered on Alfalfa will produce one to two pounds more of wool than when on the range.

Fed to dairy cows, Alfalfa maintains the flow of milk, equal to June grass for nearly a whole year. It can be chopped fine with corn meal. Such a mixture is worth more per pound than the original corn meal.

Many interesting facts in addition to the above might be cited about Alfalfa. It would hardly be possible to say too much about Alfalfa; it is a working plant which is changing the destiny of many farming sections.

Its long branching roots penetrate far down, push and crowd the earth this way and that, and thus constitute a gigantic sub-soiler. These become an immense magazine of fertility.

The value of a strain or variety for any certain locality depends upon its ability to yield generously and withstand the climatic and soil conditions there prevailing. To best insure such qualities in Alfalfa, seed should be sown that has been grown in a section where the producing plants have successfully survived the most unfavorable conditions that are likely to be encountered. This insures seed of the highest grade of vitality, as plants in any way deficient are killed out in such winters as that of 1915-1916, when temperatures ranging from 40 to 46 below zero were registered in this section. These temperatures are taken from official records, and the natural result in a field of Alfalfa is "the survival of the fittest"—nature's immutable law. The seed we offer is from plants that have stood this supreme test, and can not be surpassed by any brands on the market today.

ALL ALFALFA WE OFFER WAS PRODUCED ON DRY OR SUB-IRRIGATED LANDS.

## REGISTERED GRIMM ALFALFA

Grimm Alfalfa as it is generally called, was first grown by Wendelin Grimm, at a point in Minnesota. The wonderful advance made by this type over the ordinary Alfalfa led to its being subjected to the most severe tests by the Agricultural colleges and others. Our Registered Grimm has been grown under the supervision of the Montana State Agricultural College and Montana Seed Growers Association for years, and is harvested, threshed and sealed under the care of their representative. So far as we know, the Registered Grimm which we offer is from the most important plot of Registered Grimm grown in the State of Montana.

True Grimm Alfalfa has been so well advertised and described that any attempt at further praise would be superfluous. In every respect it has proved itself a most wonderful variety or type, and its reputation has been so well established that the true registered and sealed seed always commands a high price. Our stock of Grimm is the best that can be procured at any price, grown from the original stock, fully registered, inspected, tested and sealed under the most stringent regulations to protect the consumer.

SEE RED INSERT—PAGE 80—FOR PRICES

FREE—Pamphlet on Registered Grimm Alfalfa for the asking.



## UNREGISTERED GRIMM ALFALFA

This is Grimm Alfalfa which has not been under the supervision of the proper authorities and while it may be equally hardy and true to type it is not eligible for registration.

We consider from the standpoint of economy with the present high cost of seeds that this stock with its known hardiness and reputation of the variety to produce about  $\frac{1}{2}$  ton of Hay per acre more than ordinary variety is a good investment.

## “LISCOMB” ALFALFA [Variegated Flowered]

The type listed as “LISCOMB” Alfalfa is one of the best that has yet been introduced. It possesses every requisite to be desired to place it in the front rank of Alfalfa varieties.

It is of the much to be desired branching root and many crowned type, with variegated flowers.

It is of the most hardy nature, yields enormously, and does well on dry and sub-irrigated lands, and has stood a test of 46 degrees below zero.

It has received the highest recommendation at the hands of the Extension Division of the Minnesota Experimental Station, and also from the officials of the Montana Stations.

More than this can not be said or claimed for any brand or type of Alfalfa, and we confidently predict that as the merits of the genuine “Liscomb” Alfalfa become known, it will be in far greater demand than that of any other by growers desiring the best Alfalfa that can be obtained for the rigorous northwestern climate.

SEE RED INSERT PAGE 80 FOR PRICES

ALL ALFALFA SEED LISTED IS MONTANA GROWN.

A PLANT OF REGISTERED GRIMM ALFALFA



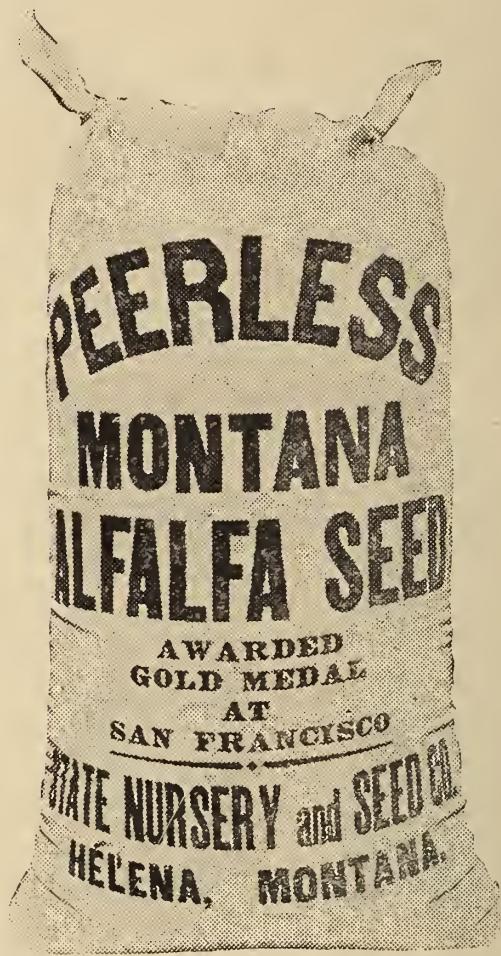
A two year old plant of Registered Grimm Alfalfa, grown by J. L. Burn, Glasgow, Mont. Photo through courtesy of Murray E. Stebbins, Co. Agt. This plant shows clearly the wonderful and distinctive growth of this type of Alfalfa.



Gold Medal Awarded State Nursery & Seed Co., for Alfalfa Seed at the Panama-Pacific Exposition, San Francisco, Cal.

### Montana Hardy Alfalfa Seed

is today acknowledged to be without a peer. Experiment Stations of several State Agricultural Colleges, bear out in every case the final superiority of Montana seed, for hardiness, vitality and productiveness. Located as we are, in the heart of the Rockies, we have facilities for the selection and acquisition of the highest grades of Alfalfa for the northwestern country that are not equaled by any other house, and our customers may rely on the assertion that seed secured from us is of the hardest and best obtainable quality in the grade in which we class it.



**ALFALFA**—("Peerless") Best on earth, in 50 lb. or 100 lb. Sealed Bags. The seed is large and of high germination, with a purity test of 99 or better. Our seed is obtained in those sections where plants have endured the extreme cold of winter and thrive at high altitudes. Our experience of several seasons has demonstrated the superiority of this seed under adverse climatic conditions throughout the entire Northwest. There is no better seed grown.

**ALFALFA**—(Placer) Experiments of many agricultural stations have established without a doubt the superior hardiness of Montana grown Alfalfa seed over that produced elsewhere. This grade is selected from among the best that grows, and is next only to our "Peerless," with a purity test of 98 or better. Samples cheerfully sent to intending purchasers; when writing for samples, please state what quantity you expect to use, so that we may quote you the best possible price on the quantity you need.

**ALFALFA**—(Quartz) An excellent grade of seed, but on account of unfavorable weather it has some discolored seed and therefore is not bright enough in color for the higher grades. This seed is well above the standard for both purity and germination. Write for samples stating quantity you can use.

SEE RED INSERT—PAGE 80—FOR PRICES.

#### SCARIFYING.

We have installed an up-to-the-minute Ames Scarifying machine. Add \$1.00 per 100 lbs. if you desire your Sweet Clover or Alfalfa Seed Scarified.

# CLOVERS

Inoculate this  
Seed with  
**FARMOGERM.**



Medium Red Clover.

**Medium Red, "Peerless"**—Looking to the future, no time should be lost in introducing the bacilli of the Red and Alfalfa Clovers. The use of nitro cultures may tend to hasten their establishment, but nature's way, and the best way, is to use a small quantity of seed, say a pound or two of Red and Alfalfa Clover to the acre with whatever crop you are seeding. After a little you have a prized bacilli in your land, then you may safely call your farm doubled in value from a producing standpoint. Red Clover is regarded as the most important of the whole genus for practical agriculture; valuable not only for forage, but also a fertilizer for the soil. Long, powerful tap-roots, which in decaying add largely to that black mass of matter we call soil.

**Mammoth Red "Peerless"**—This variety of clover matures about two weeks later than the ordinary red clover, and will produce a heavier yield per acre than any other variety. It is also better adapted to poor sandy soil than other sorts. Alsike included. On account of its vigorous heavy growth, it should be cut for hay before the bloom fully matures, otherwise the heavy growth will have a tendency to become woody. It is by far the best variety known where clover is desired for a hog pasture.

**Alsike or Swedish "Peerless"**—This Clover originally came from the little Province of Alsike in Sweden. One of the hardiest varieties known, is perennial and does not winter kill; stands alike drouth or wet. We know of many who have used Alsike Clover to sow in boggy land, making this land produce a crop or pasturage and at the same time enabling it to be driven over as the mass of roots make a heavy sod. Favorite with bee keepers. Flowers with sweet agreeable odor.

**Alsike or Swedish "Placer"**—Second only to our "Peerless" grade.

**White Dutch**—Excellent for pasture, and when mixed with Kentucky Blue Grass, makes the finest and most nutritious food for sheep and cows, used universally for lawns in the United States. Sow 5 to 8 pounds to the acre alone for pasture; for lawn, 1 lb. to 400 square feet.

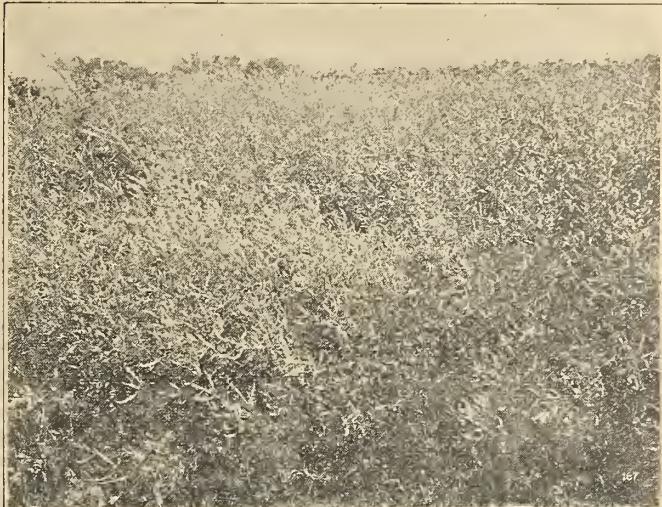
**Crimson Clover**—An annual variety in common use in Italy and southern France for feeding green. Also grown largely in this country in Virginia, where it is called "German Clover" and we think would do well in our western states, for green manure and fertilizer.

**For Poultry Remedies—Planet, Jr., Tools, Insecticides—and All Garden Requisites—See Last Pages of This Catalog. See Index for Complete List of Contents.**

**Do You Wish your Clover or Alfalfa Seed Scarified? See Page 102.**

**FOR PRICES ON ALL FIELD SEEDS—SEE RED INSERT—PAGE 80.**

# SWEET CLOVER



A Field of Sweet Clover.

Inoculate this  
Seed with  
**FARMOGERM.**

## ADVANTAGES OF SWEET CLOVER.

Consider the following facts: 1. It is not a weed. 2. Like alfalfa it is rich in protein. 3. Will not bloat cattle or sheep. 4. Equal to alfalfa for pasture. 5. Is a great milk producer. 6. Furnishes early spring pasture. 7. Contains more protein than red clover. 8. Fits well in the crop rotation. 9. Is a great soil enriching crop. 10. Better than any of the common clovers as a green manure crop. 11. Is a valuable plant for honey bees. 12. Prepares the soil for alfalfa. 13. Roots are soft and give no trouble in plowing. 14. Roots being tender, become inoculated more readily than alfalfa. 15. Never damages cultivated crops. 16. Its roots decay rapidly, adding much nitrogen and humus to the soil. 17. Grows and will produce a crop in all parts of the United States. 18. Seeds freely in both humid and dry sections. 19. Sweet Clover prevents erosion. 20. Will grow under conditions where clover and alfalfa fail; (a) on low, wet, alkali and acid soils; (b) on hard, compact soils; (c) on poor soil, especially where there is lime. Last and best of all, it is the Dry Land Farmers' Salvation, furnishing him with green manure so necessary and so hard to apply except through the plowing under process.

As Sweet Clover can be grown under conditions which are unfavorable to most forage or grazing crops, it is destined to become quite popular in our non-irrigated pasture lands. This fact has caused our Agricultural Colleges to recommend it very highly. Inquiries for Sweet Clover Seed are yearly growing in number, as our farmers learn its true value.

A special pamphlet on Sweet Clover and its Uses, on application.

## WHITE BLOSSOM SWEET CLOVER.

**Sweet White Blossom "Peerless"**. Thoroughly cleaned, brightest color seed of the highest grade, its purity being 99% or better. None better anywhere at any price. Samples with quotations on any quantity cheerfully furnished.

**Sweet White Blossom "Placer"**. Second only to our Peerless grade and running 98% pure or better. Don't overlook the fact that Sweet Clover should hold a very important place in your crop rotation. When writing for samples please advise what quantity you need.

**Sweet White Blossom "Quartz"**. This grade will run 90% or better purity and contains some unhulled seed. The run of seed is a little smaller than the higher grades, but does not, as many think, require more pounds per acre, as it contains more seeds per pound.

## YELLOW BLOSSOM SWEET CLOVER.

**Sweet Yellow Blossom "Peerless"**. The grades and tests on this variety are identical with the White Blossom. The growth of the plant is somewhat different, it has a more spreading habit of growth. Its production in hay is not equal to the White Blossom but is preferred by some for Pasture on account of its recovery in growth when closely pastured. Most of our demand for yellow comes from dairymen who seem to have a preference for the variety, claiming they can get more pastureage. This is quite a valuable point with them on account of the high price of feed nowadays.

**Sweet Yellow Blossom "Quartz"**—A good grade of seed, but containing some unhulled seed.

## RED TOP

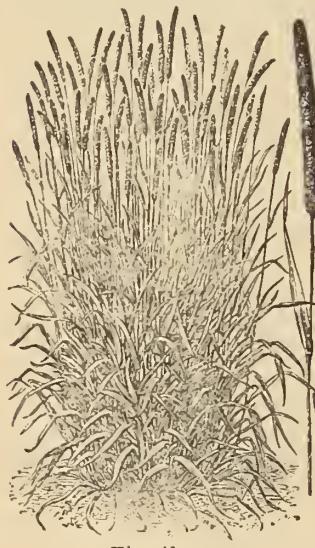
**Solid Seed, "Peerless"**—A valuable grass for moist soils. It is a good permanent grass, standing our climate as well as any other, and consequently well adapted to our pastures, on which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist, rich soil it will grow 2 feet, and on poor gravelly soil, about half that height. It has been grown successfully even on "alkali" bottom lands, where other grasses failed. We do not handle the chaffy grade of Red Top, and offer only clean seed.

**Solid Seed, "Placer"**—Excellent quality. Second only to Peerless.

## TIMOTHY

**"PEERLESS"**—Thoroughly cleaned. Brightest seed, showing a purity of 99 per cent or better.

As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. It is not suited for a permanent pasture, as it will in the course of a few years, run out. It is, however, well adapted to early spring grazing, as it starts up quickly in the spring and in favorable weather can be pastured in the autumn as well. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses.



Timothy.

**"Placer"**—This grade, like the above, is the plump native grown seed, unequaled by the stocks of most eastern firms. If you use large lots write for special price, stating quantity you expect to use.

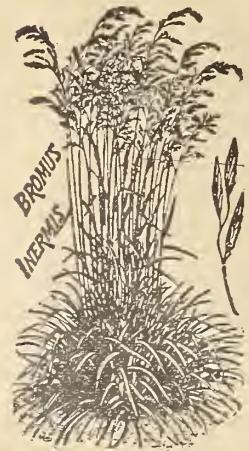
**Alsike Clover and Timothy Mixed**—Where Alsike Clover and Timothy are grown together, and the seed is saved therefrom, it is impossible in cleaning to make a complete separation of the two. On this account we purchase the seed for less money and we can sell it for less money than would be the case if a perfect separation could be made. Those desiring to sow Alsike and Timothy together can save considerable money by buying the seed of these two varieties together as originally harvested. This makes a splendid mixture for hay or pasture, with just enough Alsike Clover to make splendid hay for horses or dairy cows, carrying about 20 per cent of clover.

## BLUE GRASS

**Kentucky "Peerless"**—We wish to call particular attention to the cleanliness of our Blue Grass. As usually sold by most seedsmen it weighs 19 to 20 lbs to the measured bushel. Our seed is thoroughly recleaned and runs 23 lbs. to the bushel.

**Kentucky "Placer" Grade**—Used extensively for lawns and parking streets; also makes excellent pasture or hay.

## BROME GRASS



**Bromus Inermis, "Peerless" Grade**—A wonderful drouth resister. A grass for the stock raiser. All cattle like it. Will drive out Russian Thistle, also Black Mustard. Drouth defying, frost resisting. Yields enormous crops of splendid hay and affords early and abundant pasturage. We have seen some very fine crops of Brome Grass and Alfalfa mixed, which makes an excellent hay for horses and cattle. Try it. These both mature and cure at the same time. Our peerless grade of this magnificent grass is unequaled for purity and high germination, and less seed is required to the acre than any other grade. From good seed, good crops grow.

## SLENDER WHEAT GRASS

**Or Western Rye Grass**—This is a valuable native grass, very hardy and makes good hay. Much valued for crop rotation. Seed about 20 lbs. to the acre, and do not cover too deeply. Some growers advise the mixture of Red Clover with this grass and for hay this assures easier handling in harvesting. It has proven a valuable crop in the Dakotas and also in Northwestern Canada. Slender Wheat Grass will be used extensively in Montana from now on.

## ORCHARD GRASS

**"Peerless"**—A valuable grass for pasture or hay land, and on account of its earliness is very valuable for a permanent pasture. It furnishes the first green grass in the spring and until late in the fall. When closely cropped it grows up very quickly and is ready for grazing again in ten to twelve days. When grown for hay sometimes two crops can be obtained in one season, and when one crop is cut the aftergrowth is very heavy and gives splendid and rich pasture till late in the fall. It will stand drouth and is hardy. It grows in tufts, and is therefore best sown with Red Clover, rye grass, etc. It is well suited for shady places, such as orchards and groves.

## PERENNIAL RYE GRASS

The life of this grass is from two to five years and is a very valuable grass to use in meadow mixtures as, on account of its rapid growth, it assists in making a larger pasturing season. When used alone for a Hay crop it will, when seeded at the rate of about 50 lbs. per acre, produce from 2 to 2½ tons per acre. We do not recommend this as a dry land crop as its root system is not deep enough for this purpose.

FOR PRICES SEE RED INSERT—PAGE 80.

## SUDAN GRASS

One of the Most Remarkable Forage Crops Grown



SUDAN GRASS—(Montana Grown.) (See next page.)

## SUDAN GRASS

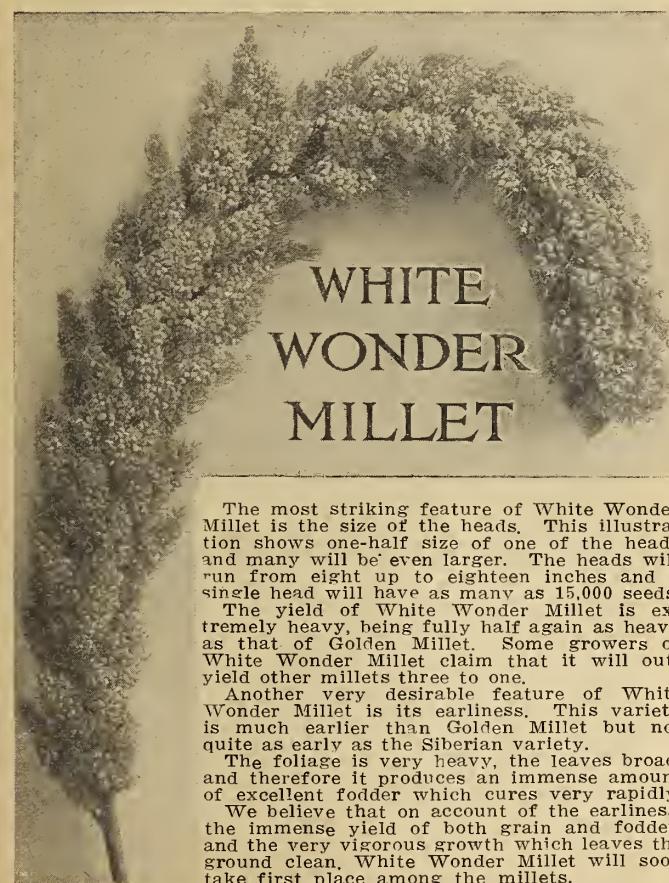
### The Greatest of All Forage, Grain and Hay Crops.

As the name implies, Sudan comes from the SUDAN of AFRICA, and was first introduced in the United States in 1909, by the department of Agriculture; since that time it has been experimented with and tested in nearly all sections of the United States. It is an annual and requires replanting each year; has no root stalks (as Johnson grass) and dies with the first frosts in the fall; is closely related to the sorghums (milo, maize, kaffir corn, etc.) but yields far more abundantly than any of these and the hay has more fattening properties. The Government, in fact, estimates that its feeding value is only 3 per cent less than alfalfa, and much greater than timothy or any of the common hays, while stock of all kinds eat it in preference to even alfalfa. THERE IS NO OTHER FORAGE CROP KNOWN THAT WILL RESIST DROUGHTS LIKE SUDAN and it is therefore particularly adapted to semi-arid regions, yet it yields IMMENSE crops under irrigation and in rainy climates. In brief, Sudan solves the hay and pasturage problem for a very large section of the United States.

Many are the favorable comments we have had on Sudan grass this dry season, many farmers declaring they will increase their acreage the coming year on account of its ability to stand up under unfavorable conditions. We are therefore making special efforts to have a good supply of high grade seed.

## MILLETS

(3 Lbs. to Acre for Cultivated Rows; 4 Lbs. to Acre in Drills; 16 to 24 Lbs. per Acre Broadcast.)



### WHITE WONDER MILLET

The most striking feature of White Wonder Millet is the size of the heads. This illustration shows one-half size of one of the heads and many will be even larger. The heads will run from eight up to eighteen inches and a single head will have as many as 15,000 seeds.

The yield of White Wonder Millet is extremely heavy, being fully half again as heavy as that of Golden Millet. Some growers of White Wonder Millet claim that it will outyield other millets three to one.

Another very desirable feature of White Wonder Millet is its earliness. This variety is much earlier than Golden Millet but not quite as early as the Siberian variety.

The foliage is very heavy, the leaves broad, and therefore it produces an immense amount of excellent fodder which cures very rapidly.

We believe that on account of the earliness, the immense yield of both grain and fodder, and the very vigorous growth which leaves the ground clean, White Wonder Millet will soon take first place among the millets.

**GOLDEN**—Southern Grown Seed—In the north Millet is sown almost altogether for hay and for that purpose southern grown seed is much the best. It grows taller than does that from northern seed, and that means more hay. It is finer than that from the northern seed, and that means better hay. In fact, it is our judgment based on an experience of many years that a farmer had better, from the standpoint of profit alone, pay \$2.00 a bushel for true southern grown Golden Millet that to sow the best northern Millet as a gift. Millet seed produced in the north, even from southern seed, becomes what we call Common Millet. Not only does the plant change in character, becoming coarser and much more dwarf, but the seed itself shows a change and is readily distinguished by those experienced in handling it.

**SIBERIAN OR KURSK MILLET**—This variety was first introduced into the United States from Kursk, Russia, in 1898. Extensive experiments were conducted at both the South Dakota trial stations which demonstrated the superiority of this new variety. As both a hay and seed producer it ranks very high. In dry seasons the weight and quality of the hay has been far ahead of Golden or Hungarian Millet. In favorable years the difference has not been so great but the results have always been in favor of the Kursk Millet. We have a fine supply of excellent quality.

**HOG OR BROOM CORN**—This is grown for the same purpose for which other Millets are sown, but makes inferior hay unless cut very young. It yields enormously of seed, even 60 to 70 bushels to the acre, and this seed is very advantageously used for fattening swine and other stock, and is of special value for this purpose in sections where corn cannot be safely or cheaply grown. Seed also makes very fine feed for poultry or young chicks. It is very similar to the Early Fortune Millet except that the seed is yellowish white in color. Hog Millet is also known to some farmers as "Proso" or Russian grain in which country it is grown largely and made into a meal which is consumed as human food. It will mature in about two months from sowing the seed.

**JAPANESE**—Improperly called "Billion Dollar Grass"—Entirely distinct from all other Millets. It grows from 6 to 9 feet high, stands up remarkably and yields enormous crops. When cured it makes good hay and in quality is superior to corn fodder. It is relished by all kinds of stock. Sow 10 lbs. in drills; 15 lbs. broadcast to the acre.

SEE RED INSERT—PAGE 80—FOR PRICES

Inoculate this  
Seed with  
FARMOGERM.

## LENTILS

Inoculate this  
Seed with  
FARMOGERM.

**Montana Grown**—Lentils are again coming to the front in leguminous crops, and rightfully so. Inoculated with Farmogerm, they enrich the land with nitrogen, they produce a heavy crop on poor soils, the crop can be profitably used for any feed purposes either green or cured and the ripened crop when threshed is in great demand for cooking purposes. Few of the legume family make as desirable a stock for soups as do the Lentils. Oriental countries have long used this as a chief article of diet and its value in this country for that purpose is rapidly becoming better known.

Inoculate this  
Seed with  
FARMOGERM.

## FIELD PEAS

Inoculate this  
Seed with  
FARMOGERM.

(60 to 75 Lbs. per Acre in Drills; 75 to 100 Lbs. Broadcast.)

Here is a crop which is not only profitable, but will return to the land the much-needed nitrogen. Peas are second only to clover in their soil-enriching properties and can be grown under any conditions of soil or climate. There is always a ready market for peas, or they can be profitably ground and fed to stock. The vines make rich, nutritious hay. If fed to milch cows, when in a green state, pods, vines and all, the flow of milk will be almost doubled. Peas are a paying crop and can be profitably planted in many ways.

**Canada**—Canada Peas are one of the most useful and valuable legumes that can be grown by the northwestern farmer. Of a most hardy nature, they will thrive fairly well even on the poorest land, and aid most materially in bringing the land into a good condition for other crops, especially when the seed is inoculated with Farmogerm, which should be used with all leguminous crops to get the best nitrogen addition to the soil. They grow from 3 to 4 feet high and the crop can be used in any manner, as ensilage, or plowed under for a green manure. The ripe dry peas are much used for soup, and for that purpose when properly cleaned always bring a high price.

**White Marrowfat**—These large handsome Peas are equally as profitable to grow as a field crop and on account of their size are salable at all times at the top of the market, as well as providing the table with an extra good pea during summer. Very heavy yielder, producing from 40 to 60 bushels per acre; these peas being softer than the Canada Pea, are preferred by hogs or stock. Many growers are increasing their acreage of these peas, considering this variety the best and most profitable.

**Alaska**—An early maturing Pea which is becoming quite popular because it stands up well in the field, and can be cut from either side, and is a heavy yielder. This is one of the varieties sought after by the canners, and the safest for Dry Land Farming.

**Mixed**—We have a good stock of these Peas which are a mixed lot (Canada, Marrowfat and Grey), suitable for hogging off or pea hay for soiling. Will mail samples on request.

## FLAX

**Russian**—The standard sort used in the northwest. It requires special machinery to make seed of any grain and this is especially true of Flax. Cleaning Flax so as to make it "right" for seed is a somewhat expensive operation and involves a very considerable waste. But write for sample, use the magnifying glass, and compare it with flax from the farm or elevator and judge for yourself if our seed is worth to you all it costs. Spray your flax with formaldehyde before seeding.

SEE RED INSERT—PAGE 80—FOR PRICES

SEE PAGE 100 FOR QUANTITIES TO SOW PER ACR.

## SORGHUM OR SUGAR CANE

(15 Lbs. per Acre, Drills; 50 Lbs. Broadcast.)

**Sorghum**—(Southern Seed)—This Sorghum, while not suited for syrup making purposes in this section, is of great value as a forage crop, whether to cut for forage or for use in silos. It is very rich in feeding qualities and will yield heavily on irrigated or sub-irrigated lands.

**SORGHUM—Minnesota Amber Cane**—This is the Northern grown type of this popular and valuable forage crop, and best suited for syrup.



158

Sorghum—Minnesota Amber Cane.

## FETERITA

(3 to 4 Lbs. per Acre in Drills.)

**FETERITA**—A wonderful new grain which has attracted considerable favorable attention in Kansas, Missouri and Oklahoma. It belongs to the Sorghum family. It was introduced from Africa by the United States Department of Agriculture. The advantages of Feterita are its drouth resisting qualities, its heavy yield, its earliness, its stooing propensities and its freedom from insect pests. It is of medium height and about equal

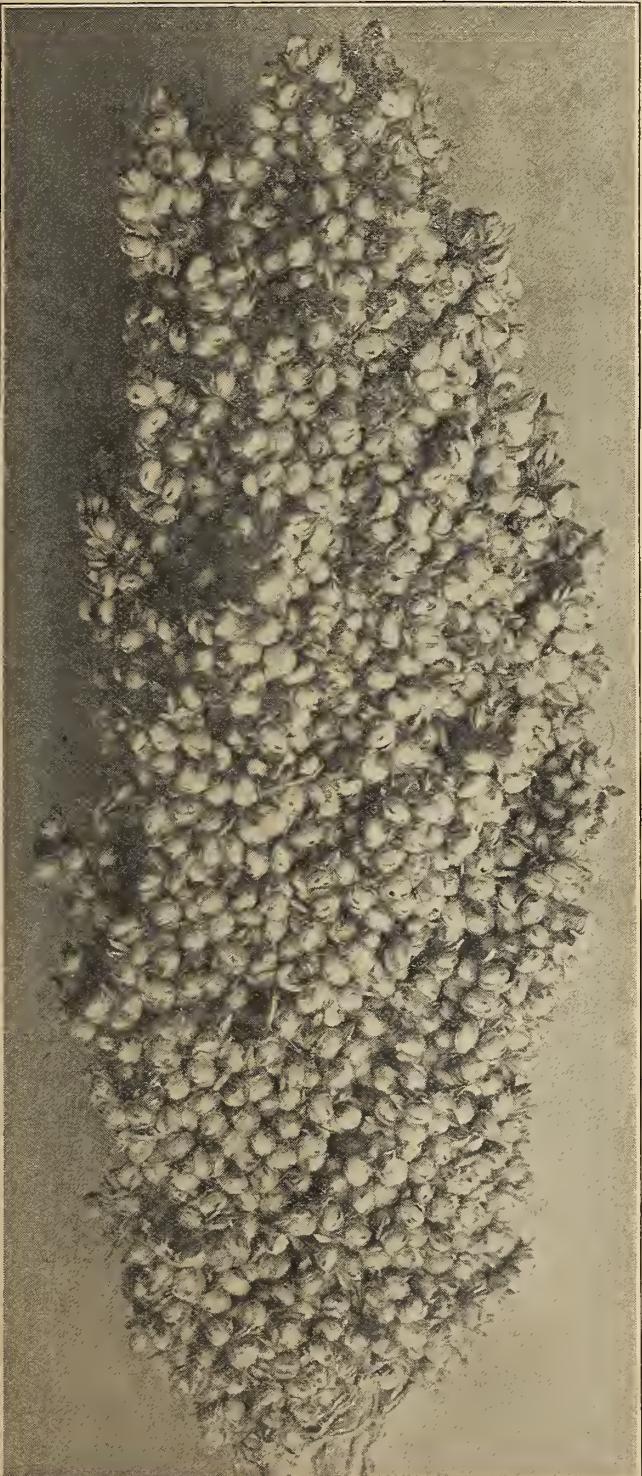


to Kaffir Corn in feeding value. Feterita successfully withstood dry weather in Kansas and nearby states during 1913 and yielded more under these unfavorable conditions, 35 bushels per acre and more. Under proper conditions, it will yield 60 to

75 bushels to the acre. It branches very freely from the roots, making from three to eighteen heads from a single stool. It is from two to three weeks earlier than Kaffir Corn, and should successfully mature in the north. Culture same as for Kaffir. The chinch bugs will consume other crops, but seem to leave Feterita entirely alone.

## KAFFIR CORN

**Kaffir Corn—White Seeded**—An excellent fodder plant, yielding two crops of fodder during the season. It grows 4 to 5 feet high, making a straight upright growth. The stem or stalk bears numerous wide leaves. The stalks are brittle and juicy not hardening like other varieties of Sorghum. It makes excellent fodder, either green or dry, which is highly relished by cattle and all kinds of stock. The seed crop is also heavy, sometimes 50 to 60 bushels to the acre. For grain, sow in rows 3 feet apart, 3 to 5 pounds to the acre. For fodder sow 40 to 50 lbs. either broadcast or in drills.



Kaffir Corn.



WINTER VETCH

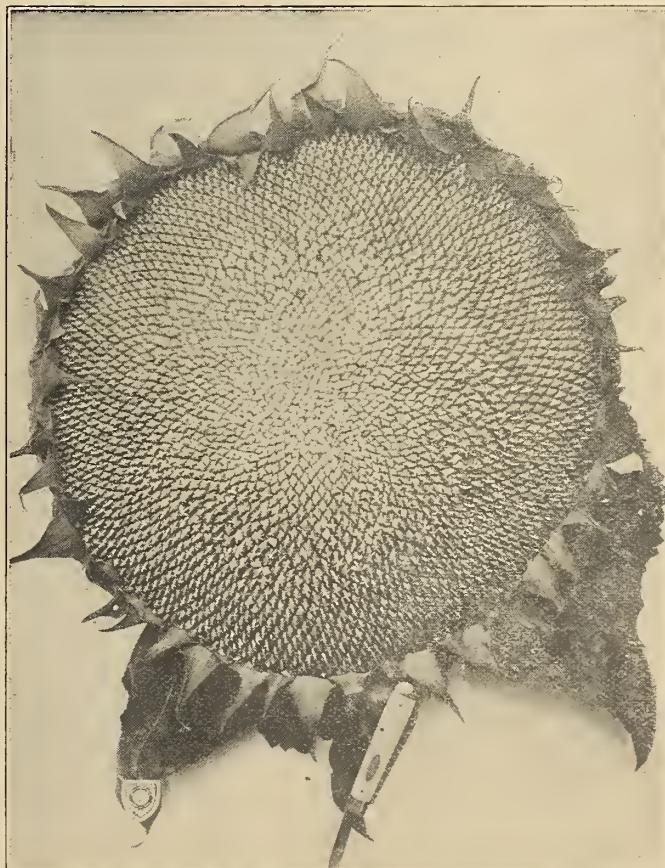
## VETCHES

Inoculate this  
Seed with  
**FARMOGERM**

(40 to 50 lbs. to the acre.)

**Winter Vetch**—Known also as sand or hairy Vetch. Although called Winter this variety must be sown in Spring in Montana as it will not withstand our Winters. Its advantage is that usually it produces a heavier tonnage per acre than the Spring Vetch. This variety requires a good soil, is frequently sown with oats or barley, with which it makes excellent feed.

**Spring Vetch**—This is a very valuable forage plant and is rapidly becoming popular each year as the farmers are learning more of its great value for forage and fertilizing purposes. It succeeds well on nearly all soils and thrives surprisingly on poor light land, and well stands extreme of drouth, heat and cold. It improves the soil, being a great nitrogen gatherer. It belongs to the pea family, but the vines are much longer and the foliage is more abundant. May be sown with about half bushel of rye or oats for support. It grows rapidly and is particularly valuable in sections where clover does not thrive.



Head of Mammoth Sunflower.

## SUNFLOWER

(5 lbs. to the Acre.)

### SUNFLOWERS FOR SILO.

There has during the past 3 years been a good deal of experimenting with Sunflower for Silo work and with very gratifying results. The best proof for this is the increasing number of silos being built and contemplated to handle the crops. The dry land farmer should be particularly interested in this crop as it means so much to him in tonnage of fodder. It will yield 200 to 300 per cent more than any other crop we know of and is relished by stock and dairy cattle. Bankers will make loans easy where a crop of sunflowers is in sight. They realize that cheap feed is the salvation of the farmer who depends on rainfall to make his crops.

## SUNFLOWERS—Continued.

## SEEDING AND CULTIVATION

Sow sunflowers in rows wide enough apart to permit cultivating between them at the rate of about 5 lbs. per acre. Cultivate frequently until the plants are from 12 to 18 inches high.

**Mammoth Russian**—Single heads measure 15 to 22 inches in diameter, and contain an immense amount of seed, which is highly valued by farmers and poultry breeders who have tried it. It is the best egg producing food known for poultry. It can be raised cheaper than corn, and is destined to be an article of great value.

## RAPE

(Sow 2 to 3 Lbs. to the Acre in Drills; 5 Lbs. Broadcast.)

**Use of Dwarf Essex Rape**—Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz: 1. In the early spring, to provide pasture. 2. In June or July, on well prepared land to provide pasture. 3. Along with grain using 2 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture and to get a "catch" of clover. 5. As a cover in the orchard for winter protection to avoid root-killing. 6. In corn, sowing the seed with the last cultivation; the succulent feed produced may save the loss of cattle by corn stalk disease. Prevention is better than medicine in regard to this fatal disease. 7. Along with rye, sown in August, in sheep pasture. 8. On early plowed fields to shade the land and so that the soil will not leach, wash or drift. 9. To plow under as a green crop, adding humus to the soil, an element needed in grain growing sections. When rape is sown broadcast, 5 lbs. of seed an acre will suffice. When sown in rows, say thirty inches apart and cultivated, from 2 to 3 lbs. per acre will be enough.

## BUCKWHEAT

(25 to 40 Lbs. to the Acre.)

**SILVER HULL BUCKWHEAT**—This valuable variety originated abroad and is a decided improvement on the old black or gray sort. It is early, remains longer in bloom than other sorts. A fine variety for honey bees. The grain is of a beautiful light gray color, and has a thin husk. Millers prefer Silver Hull, there being less waste and it makes whiter, better and more nutritious flour than other varieties. Silver Hull is more productive and the grain meets with a more ready sale, bringing higher prices than the Japanese. Under favorable conditions it will yield 40 to 50 bushels an acre.

## BIRD SEED

<b>BIRD SEED MIXED</b> —(S. N. & S. Co.'s)	—Lbs., postpaid, 25c. By express or freight, 1 lb. 20c; 10 lbs. ....	\$1.50
Has become famous for its superior quality. We use nothing but the freshest high-grade seed free from mustiness and dust. These seeds are particularly relished by canary birds, etc. Put up in 1 pound lithographed cartons.		
<b>HEMP</b> —Best grade, 1 lb., 20c; postpaid.....	25c	
<b>Canary</b> —Best Sicily, 1 lb., 25c; postpaid.....	30c	
<b>Rape</b> —For birds, 1 lb., 20c; postpaid.....	25c	
<b>Millet</b> —Fancy, 1 lb., 15c; postpaid.....	20c	
<b>Gravel</b> —1 lb., 15c; postpaid.....	20c	
<b>LETTUCE SEED</b> —For birds, 1 lb., 20c; postpaid.....	25c	
<b>CUTTLE FISH BONE</b> —1 lb., 60c; postpaid.....	65c	

# SEED GRAINS

## OATS

**National**—National Oats are claimed to be the heaviest yielders of the family. Yields have been reported from 60 to 150 bu. per acre. It stands drouth well, has a very strong stiff straw, with large long heads and kernels are large, full and white in color.

**60 Day Oats**—In an average of seven years at the Moccasin Experiment Station of the Montana State Agricultural College, this has outyielded all other varieties. Growers at first sight sometimes form an erroneous opinion of the value of 60 Day Oats from the small kernel of the grain. This however is not a valid objection, as examination shows that there is much less hull than in many other varieties, thus vastly increasing its food value.

**Montana White or Big Four Oats**—A large fat grain, preferred by many to the Swedish Select, which it most nearly resembles.



Newmarket Pedigreed Oats.

### NEWMARKET PEDIGREED OAT.

This White Oat succeeds well on all soils on account of its robust and vigorous constitution and is one of the most attractive sorts grown in the West.

Remarkably early and an enormous cropper, kernel extra large and plump, very thin hull, stiff straw and a heavy yielder.

It has produced 132 bushels per acre on the farm where it was grown and being such a splendid yielder is very much in demand for seed.

**Swedish Select**—These originated in Sweden and they seem to be adapted to the growing conditions of the Great Northwest better than any other of the improved foreign Oats. They retain splendidly the vigor, hardiness and productivity that were bred into the original parents.

These Oats ripen fairly early, the straw is of medium height, strong and stiff. The grain is white, thin hulled, and plump. Weight per measured bushel, 40 to 45 lbs. The spikelets are small and usually two-grained. The shoots are abundant and the development in the field is strikingly regular and ample.

FOR PRICES SEE RED INSERT—PAGE 80.

# WHEAT

(60 to 75 Lbs. to the Acre.)

**SPRING DURUM**—Durum or Kubanka Macaroni—In the field this Wheat grows very strong and with surprising rapidity, so rapidly as to get well ahead of the weeds. It does not shell or bleach and is also hail proof owing to the tightness of the hull. The straw is very strong.

**Marquis Wheat**—The wheat you will eventually buy. Undoubtedly the best wheat for the northwest. Matures a week to ten days earlier than Red Fife; yields 15 to 20 bushels to an acre more than Red Fife; and for milling purposes grades No. 1 hard. Kernel is hard and flinty, a little darker than Red Fife and more plump than that variety. It is beardless, having smooth yellow chaff. Marquis wheat is the earliest, hardest and heaviest yielding Spring Wheat adapted for northwestern conditions.

**Soft Spring Club**—An old favorite, grown especially for consumption at home for feeding purposes, a heavy yielder under irrigation. Probably the heaviest yielding soft Wheat known. We have records of 70½ bushels per acre being grown, and the crop from which our stock is selected produced 65 bushels this season which at the price Wheat has been selling at is a splendid paying crop. We believe our stock to be equal to the best in the country.

**Stanley Spring**—This white wheat gave the highest average yield for five years in the experimental trials. This variety was imported from the Canadian Experiment Station, Ottawa, Canada, where it originated, is a strong growing variety, free from beards making this very desirable to handle. They planned to increase the quantity in order that it can be distributed to farmers over the state. The following information taken from bulletin # 84 Montana Agricultural College Experiment Station may be of value to you.

Yield per acre.....	49.75 bushels
Straw per acre.....	2.63 tons
Average height.....	44.02 inches
Period of growth.....	128 days
Period from seeding to heading.....	77 "
Period from seeding to irrigation.....	75 "

Our supply is unfortunately quite limited and orders for same will be booked and filled as received.

**WINTER WHEAT—Kharkov or Improved Turkey Red**—For delivery in July, write for Sample and price. The kernel is a little larger and berry a little lighter in color than the Turkey Red, of which this is an improvement. By various growers' reports the Kharkov is a better yielder by from 4 to 6 bushels per acre.

**WINTER WHEAT—Turkey Red**—For delivery in July, write for sample and price. We offer a true strain of the **Old Reliable Turkey Red**. The Farmers' and Millers' Friend.

FOR PRICES SEE RED INSERT—PAGE 80.

## The New Burbank Super Wheat



On Ranch of J. H. Hoseman, Denton, Mont.—Crop—1918.

### Montana Grown Burbank Super Wheat (Winter)

We are offering this season Montana grown seed of this splendid Winter Wheat, raised by J. H. Hoseman, Denton, Montana.

The following results are taken from Mr. Hoseman's statement of his first experience with "Burbank Super wheat" in 1917-18. Mr. Hoseman purchased one pound of the original seed secured by us from Luther Burbank in the Fall of 1917, sowing three-fourths of the pound on September 17, 1917. This was planted in rows 16 inches apart, and was cultivated by hand. It was fairly well protected by snow during the Winter of 1917-18, and received no irrigation whatever.

It was harvested between July 12th and 25th, 1918, and yielded 280 lbs. of cleaned Wheat from three-fourths of a pound of seed, or at the rate of 56 bushels to the acre.

This is a phenomenal yield of Wheat but is one that will be gladly verified by Mr. Hoseman. Denton is located in the central part of the state at an altitude of 3600 feet.

#### NOT A SPRING WHEAT

The remaining one-fourth pound not sown by Mr. Hoseman in the Fall of 1917 was planted by him in a test as a Spring Wheat on April 10, 1918, in garden ground. This sowing stooled very heavily, the leaves reaching a height of two feet when it turned yellow and died without maturing.

From the above report which is borne out by similar reports from other points it is well determined that Burbank Super Wheat is a wonderful Winter Wheat for Montana, under normal conditions, and also that it will not succeed when sown as a Spring Wheat.

The seed we are now offering for seeding in the Fall of 1920 was produced by Mr. Hoseman from the original stock above described, Mr. Hoseman disposing of his entire yield in 1919 to us, retaining only what he required for his own use. From the experience of Mr. Hoseman and others, we recommend that this Wheat be sown at the rate of 23 to 25 pounds per acre.

As the stock of this Wheat is necessarily limited we recommend early orders as when this is exhausted we will not be able to supply more this season.

Sold in sealed bags only at the following prices f. o. b. Helena:

Per 5 Lb. bag.....	\$ 1.25
" 10 " "	2.00
" 25 " "	4.50
" 60 " " (1 bushel).....	10.00

If desired by Parcel Post add postage and insurance.



View of Speltz Grown for Seed on Our Farm Which Yielded Over 50 bu. Per Acre.

## SPELTZ OR EMMER

(Sow 70 to 80 lbs. per acre.)

This grain more nearly resembles wheat than any other grain. For fattening all kinds of stock—and poultry, it is claimed to be superior to either corn, oats or wheat. Its yield is often enormous, especially on irrigated lands. It is a wonderful hay producer, as its stooling habit is very strong, as many as 100 stalks having been known to spring from one grain. Makes an excellent pasture, and has yielded 4 tons of hay to the acre, under good conditions. A good producer on lands that will not grow wheat profitably.

### RYE

**SPRING RYE**—True stock. Spring Rye makes an excellent crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. For the dry farmer needing a sure crop of hay, Rye can be depended on to produce a good tonnage of excellent hay. Does not grow quite so large straw as Winter Rye, but usually yields well and grain is of fine quality. We call particular attention to the fact that we offer genuine Spring Rye.

**FALL RYE—Amber**—Winter Rye is much hardier than Wheat and can be grown on a greater variety of soils. It will thrive in dry seasons and on light sandy loam. It is grown for grain, fodder, soilings purposes and green manure. Sow Aug. 20th to Sept. 15th— $1\frac{1}{4}$  bu. per acre if for grain, and  $1\frac{1}{2}$  to 2 bu. per acre for Fall pasture. If drilled 2 to  $2\frac{1}{2}$  in. deep there will be less danger of Winter killing.

### FALL RYE "ROSEN"

Plant it to get a 50 per cent. Increased Yield.

Rye cross-breeds like corn. In this respect it differs from Wheat, which will not cross fertilize, if two or more kinds are grown together for years. To keep a pure rye pure, it should be grown away from a common crop, like you must grow yellow corn distant from white corn.

Rosen Rye was selected and bred from a Russian rye, the selection beginning in 1909 in this country by a Russian by the name of Rosen. The new Rosen rye is a large headed variety which, when pure has four full rows of grains. Farmers who have grown rye know that 15 to 20 bushels per acre is about what they can expect. Such farmers, who changed to the Rosen rye, are now getting 25 to 30 bushels, and 40 to 50 bushel yields are not very uncommon. In a news dispatch to a newspaper about the yield of grain in a certain section this year, was this statement: "Rosen rye is outyielding common rye from 50 to 100 per cent."

Now that Rosen rye has proven and established its superiority over the rye as commonly grown, and in practically all rye-producing sections, it should, at once, supplant the common rye for seeding this year.

FOR PRICES SEE RED INSERT—PAGE 80.

## BARLEY

**White Hulless**—No Barley of which we have knowledge has proved so valuable to the stock raiser as the White Hulless. It is not a malting variety, but for feeding purposes there is no Barley raised its equal in earliness, yield and quality.

**Its Valuable Properties**—It is hulless, beardless, and early; it weighs over 60 pounds to the measured bushel; yields well on good land; makes better pork than corn; it is of inestimable value to everyone who feeds stock. It is often grown for hay, coming very early and providing rich food. It should be cut just before it becomes ripe and while the straw is green. In this condition it is relished by all kinds of stock. The straw is stiff and straight, and seldom if ever does it lodge. Use 50 lbs. seed to acre on dry land for grain crop.

**BARLEY—Guy Mavle—(Beardless and Hulless)**—A blue barley similar to the White Hulless, but claimed to be a heavier yielder. It is a cross between the Black variety and the White, and requires the same treatment as the White Hulless.

**Two-Row**—A bearded hulled variety which has shown in Montana experiment station very heavy yields. Straw rather short, especially in dry seasons. When grown without irrigation sow as early as the weather will permit.

**Six Row**—A well known and popular bearded and hulled variety, yielding heavily and with grain of the highest quality.



Cutting White Hulless Barley, John T. Jackson Ranch, Pony, Montana.

# FIELD CORN

(15 lbs. will plant an acre in hills, 30 to 40 lbs. drilled for fodder.)



Extra Early

## NORTHWESTERN DENT CORN

The earliest Dent Corn in the World—Tremendous Yielder. Strictly a High Altitude Corn—The Great Corn for the Northwest.

**(SMOKY DENT)**—Northwestern Dent can be relied upon year in and year out to produce a larger yield, better Corn and mature more evenly than any other of the extra early corns.

It is the earliest and hardest Dent corn grown and can be depended upon to mature every season in the Dakotas, Northern Minnesota, and Montana, even when all other corns fail. The stalks grow about 7 feet high and the ears are borne over 3 feet above the ground, allowing the use of a corn harvester. The ears are of good size, from 7 to 19 inches long, have a thin cob and 10 to 14 rows of very deep, large kernels of red color with a yellow cap of slight variation. Northwestern Dent is a very productive variety; it has often harvested 75 to 85 bushels per acre; it matures in 75 to 85 days, according to the season.

### FOR FODDER PURPOSES.

Grown for fodder purposes, Northwestern Dent ranks exceptionally high. Its earing proclivities are enormous, both ears and stalks being extremely juicy, succulent, nutritious and live stock of all description give it stated preference.

### ADAPTABLE.

Northwestern is strictly a high altitude Corn. It is peculiarly adapted to cold, adverse soils, thriving, maturing and making big yields when others fail. It accepts almost every condition of soil. It is generally conceded to be the best variety to grow when in doubt.

### PEDIGREE SEED STOCK.

Our Seed Stocks of Northwestern are exceptionally choice, rack dried, plump, bright, hard and fully matured.

## MINNESOTA EARLY WHITE DENT

The earliest pure white dent corn, maturing in 75 to 85 days, fully as early as Northwestern Dent, adapted for North Dakota and Montana. Yields much larger crops than yellow varieties, equally as early, and should be planted on poor and thin soils and also on cold and wet ground where it will thrive when other corn fails. The ears are of good size, usually 8 inches long; the kernels are long and deep, growing very compactly around the cob. The stalks average about 6½ feet in height, have large and heavy foliage, making an unusually fine fodder. Under average conditions the yield of Minnesota White Dent is 75 bushels and over per acre.

## RUSTLER WHITE DENT

This variety originated many years ago in South Dakota and is largely grown in our Northwestern states. Matures in 90 to 95 days. The average height of stalks is 7 feet. Average distance from base of ear to the ground, 3½ feet. Ears are large, 14 to 18 rowed, and closely filled with large, deep white kernels. This corn is admirably adapted to the northwestern climate. It yields fully as big a crop as any yellow dent. There is no better and more productive variety of White Corn grown in the Northwest which is as early as Rustler White Dent. It is a bigger yielder and the ears are more uniform in size and shape than can generally be purchased elsewhere.

**MINNESOTA NO. 13—Extra Early Yellow Dent**—The commanding points of excellence which will place Minnesota No. 13 Corn at the head of all Yellow Dent varieties for northern planting are: Its cleanness, its productiveness, its adaptability to a great variety of soils and climates. The ears average eight inches in length and are borne usually two on a stalk. Minnesota No. 13 thoroughly matures in 90 days when planted on favorable soil and in good location, but 95 to 100 days places it out of danger under average conditions.

## FLINT CORN

**North Dakota White Flint**—A Pure Pearly White Flint Corn, recommended very strongly for Montana farmers by Mr. M. L. Wilson of the Montana Agricultural College. This Corn is the result of careful selection from the Old Squaw Corn for many years. Average height of stalk 5 feet, average distance

of ears from the ground 1½ feet, average length of ear 8 inches.

### SQUAW OR RAINBOW FLINT.

Extremely early and of dwarf habit. Ears are 7½ inches long, 8-rowed and of bluish color. The variety that Montana first started to raise.

### POPCORN

**WHITE RICE**—A very handsome and prolific white variety. The ears are five to seven inches long. The kernels are long, pointed and somewhat resemble rice. This excellent variety yields heavily and is considered the best pop corn for parching.

**JAPANESE HULLESS**—The sensational pop corn which is commanding such high prices where corn is purchased for popping. It pops much more bulk per pound, as the grains are much smaller than other varieties, and is extremely sweet and tender. Try this new variety out the coming season and enjoy the best pop corn in the world. Our stock is all new crop and of high germination.

## FODDER CORN

### Most Economical, Earliest Feed Crop Grown

Corn, by virtue, and virtue alone, of its wonderful economic and feeding value, has established itself as the cheapest fodder in the world.

It is the one crop of all crops—in dry or wet, warm or cold weather, that can be depended upon to give large yields of rich, sugary, succulent, nutritive food.

In many respects Fodder Corn is in a class distinctly its own, standing out as the salvator of winter feed, now the foremost ration of the great west, made world famous with the introduction of the silo.

No first-class farmer—up to the times, wide-awake—allows a season to go by without planting from 3 to 10 acres in Fodder Corn. Use Fodder Corn in preference to hay, when the hay market is reasonably high, dispose of your hay and use fodder, because fodder corn can be grown for about one-fifth of what hay can; does splendidly for silos; and another thing, if you get such rich, luxuriant fodder corn as we offer it is almost as good, yes, many farmers say better, than the best hay, for cattle.

### YELLOW FODDER CORN—

### WHITE COB FODDER CORN—

# State Nursery and Seed Co.'s SEED POTATOES

**CULTURE**—Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil, they will be of better quality than if planted on clay soil. On light soils, early varieties may be planted three or four inches deep and late varieties four to five inches deep. Early varieties are planted any time after the middle of April, but there is danger of their being caught by frost if planted before May 15. Usually it is best to plant the main crop of Potatoes before the middle of May as early planting gives better results in Montana. The cut seed should be as blocky in shape as possible, long thin pieces are more likely to rot in the ground. A good method is to begin cutting off pieces at the stem end, diagonally across the tuber until just enough is left at the seed end to make two pieces, this part should be cut in two pieces so that all the eyes on the seed end will not be left on one piece. Montana grown potatoes always find a ready market, therefore we advise a good sized patch as part of each farmers crop. We recommend for treating of seed potatoes to prevent scab, blackleg, etc., as follows: Formaldehyde 40 per cent, Commercial solution 1 pt.—Water 30 gallons. Soak the potatoes in this solution for two hours and spread out to dry about two hours before planting.

500 to 700 lbs. of seed potatoes are required per acre when rows are 3 feet apart, and 16 to 18 inches apart in the rows—will make about 9700 hills in one acre. Planted 3x3½ ft., half the quantity is sufficient.

**DATE OF SHIPMENT**—Potatoes will be shipped at any date ordered, but where no special instructions are given, we will hold order until, in our judgment, there will be no danger of freezing.



Mills Prize.

**MILLS PRIZE**—A standard commercial variety, late and very productive, and is quite largely grown. It is of good size, long and slightly flattened, skin nearly smooth, eyes rather shallow. The flesh is white and mealy, and of good quality. A fine baking potato. It is an exceptionally good yielder, doing well on both light and heavy soils.

**EARLY SIX WEEKS**—Thought by some growers to be the earliest of all, and valuable for market gardeners. A perfect table potato, and a wonderful yielder. Ready for market in six weeks and matures in 72 days, two weeks ahead of most varieties.

**NETTED GEM**—Sometimes called the **Netted Burbank**. A late variety with brownish russet skin, flesh white, shallow eyes, rather long shape. Netted Gem is an excellent yielder, very regular in size, and is unsurpassed as a baking potato. The tubers present an excellent appearance, and are splendid shippers.

**IRISH COBBLER**—A medium late variety, and a grand potato of medium large size. The tubers are round, somewhat flattened with rather deep eyes. It has a handsome smooth skin, white in color, of excellent quality, thus making it desirable for the best trade. It is a vigorous grower, a good keeper, and one of the best all-round potatoes on the market.



Early Ohio.

**EARLY OHIO—Certified Pedigreed Strain**—Grown in the famous Red River Valley. A Pedigreed Early Ohio potato of the highest type. This strain is grown at a premium—but it is worth it. It is the result of many years close, careful selection, to improve the shape, develop the size, increase the yield, to revitalize the strain and eliminate deep eyes. This has resulted in the elimination of the undesirable features, and produced a strain of wonderful quality, productiveness and appearance. The vines grow erect and compact on the hills. The tubers have a smooth skin, with pure white flesh, cooking mealy and dry. We offer this famous strain to those who really desire high class, selected and highly bred potatoes, which will return to the grower a large crop of fine, early marketable tubers of class and quality.

**EARLY OHIO—(Not Pedigreed)**—The Early Ohio is the most popular first early known. Irrespective of soil and climatic conditions, it will thrive and multiply, and demonstrate its superiority wherever grown. It is one of the earliest of the early varieties, and unquestionably the most profitable. Has a smooth pinkish skin, pure white flesh, and of a fine flavor. A great favorite.

SEE RED INSERT—PAGE 80—FOR PRICES.



**NOTICE: KINDLY SEND THE NAMES OF YOUR ACQUAINTANCES WHO USE SEEDS AND NURSERY STOCK.**

We Guarantee Safe Delivery of Plants possible to ship by Parcel Post if Insured. If this is desired Add Insurance Fee to Remittance.

**SPECIAL NOTICE**—If you will kindly send us the names of your flower loving friends—and those of farmers or ranchers of your acquaintance—with your order, we will be glad to place them on our mailing lists.



**NOTICE: KINDLY SEND THE NAMES OF YOUR ACQUAINTANCES WHO USE SEEDS AND NURSERY STOCK.**

We Guarantee Safe Delivery of Seeds by Parcel Post if Insured. If this is Desired Add Insurance Fee to Remittance.

**SPECIAL NOTICE**—If you will kindly send us the names of your flower loving friends—and those of farmers or ranchers of your acquaintance—with your order, we will be glad to place them on our mailing lists.

PLEASE DO NOT USE SPACE BELOW

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FILLED BY

CHECKED BY

THESE  
BACKED BY

NO PKGS

**NO SACKS**

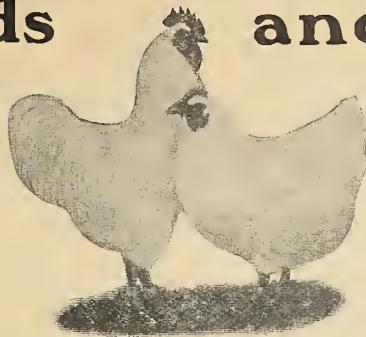
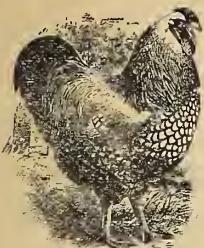
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NO BOXES

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DATE

# Poultry Foods and Remedies



WE CARRY A COMPLETE LINE OF POULTRY REMEDIES, ETC., WHICH ARE ABSOLUTELY THE BEST THAT EXPERIENCE CAN SUGGEST OR MONEY CAN BUY. IT WILL PAY YOU TO BUY THEM.



### PRATT'S BUTTER-MILK BABY CHICK FOOD

Should be fed the first three weeks. It is essential to the nourishment of chicks that they be fed with food that can be thoroughly and easily digested. Baby Chick Food is balanced to suit the needs of chicks from the day they emerge from their shells. It will raise more chicks than any other food. Price 2½ lb package, 40c; 5½ lb. package, 75c; 14 lb. bag, \$1.75; 25 lbs., \$2.85. If wanted by mail add postage.



### PRATT'S CHICKEN CHOLERA REMEDY

Cholera creates a continuous and violent desire for water. For the treatment of cholera, indigestion, bowel trouble, and all kindred troubles in chicks or grown fowls this remedy is excellent. As cholera is very contagious Cholera Remedy should be kept on hand by every one who raises little chicks.

Price, 30c; large size, 60c, postpaid.

### PRATT'S POULTRY REGULATOR AND EGG PRODUCER

Contains all the necessary elements in accurate and scientific proportions that hens need for egg making. It builds up vitality and stimulates egg production. Poultry Regulator is used by the most successful poultry raisers everywhere. Perfectly pure and free from harmful substance. Price 26 oz., 30c; 4 lbs. 60c; 12 lb. sack, \$1.35. If wanted by mail add postage.



### WHITE DIARRHOEA REMEDY

"The Baby Chick Life Saver."

This is one of the greatest chick life savers ever put on the market. Thousands and thousands of little chicks die each year from the fatal white diarrhoea. It carries off from 60 to 75 per cent of all chicks hatched. Pratt's White Diarrhoea Remedy in the drinking water kills the specific organism which causes the disease, and saves the hatch. Used as a preventative when hens are laying, because it will prevent this deadly organism from developing in the egg. If a hen is used for hatching give her Pratt's White Diarrhoea Remedy in the drinking water so there will be no chance of infection from droppings. This is preventive treatment.

Price 30c, large size 60c, postpaid.



### PRATT'S LICE KILLER POWDER

One of the most perfect lice killers especially valuable for use on young chicks and setting hens. It rids horses, cattle, hogs, dogs and cats of lice, also ticks on sheep. It is thoroughly effective as a destroyer of vermin and absolutely harmless to the chick. Lice Powder is sure death to ants.

Price, 1 lb., 30c; postpaid, 35c; 2 lbs., 60c; postpaid, 65c.



### PRATT'S HEAD LICE OINTMENT

Thousands of little chicks are killed each year by head lice. Pratt's Head Lice Ointment is a carefully prepared non-poisonous article and is instant death to the murderous lice, while it is absolutely harmless to the little chicks. It will pay for itself in saving one chick.

Price, Box 30c postpaid.



### PRATT'S ROUP REMEDY

This wonderful remedy is used in every civilized country in the world. The reason is it cures. For fowls that sneeze, gasp and wheeze, also having a watery discharge from the nostrils and eyes. It prevents colds and is excellent for turkeys. Pratt's Roup Remedy will save your fowls and make them profitable.

Price, 30c, large size 60c, postpaid.



### PRATT'S ANIMAL REGULATOR

It keeps horses well and strong, improves their wind and makes their coat sleek and glossy. Cows give better milk and their calves are strong and healthy, and steers fatten in half the time.

Price: 60c and \$1.20 packages.

12 lb. pails, \$2.50; 25 lb. pail, \$4.00.

If wanted by mail add postage.



### HEALING OINTMENT

Injuries of any kind are healed naturally and permanently, and pain quickly relieved by applying Pratt's Healing Ointment. Sores, cuts, scratches, wounds, burns, barbwire cuts, as well as skin eruptions, eczema and itching are quickly cured. Corns, harness and saddle galls disappear in short order. You should have this ointment handy at all times. Price, box, 30c, postpaid.

### PRATT'S COW REMEDY

Cow tonic, increases the milk supply and makes it rich in butter fat. Cow tonic enables the cow to turn more of the feed into milk and keep up the full flow for a much longer period. It is a positive remedy for scours.

Price: 1 lb., 25c; 2 lbs., 60c; 12 b. pail, \$2.75.

If wanted by mail add postage.



### PRATT'S POULTRY DISINFECTANT

This disinfectant is a real wonder worker, a quick, effective germicide, insecticide and deodorant. It is unsurpassed for effectiveness in stables, barns, poultry houses and yards and for use on dogs, cats and pets generally. Its pleasing clean odor makes it admirable for household use. Considered the best disinfectant on the market today.

Price, quart, 60c; ½ gal., \$1.00; gal., \$1.75.





**Standard Grit and Shell Box.** This box is made of heavy galvanized iron. It has three compartments, and may be used for feeding grit, oyster shell, charcoal or bone. Most grit and shell boxes have square bottoms, but this grit and shell box has a round bottom which absolutely prevents shell and grit from clogging the corners. It feeds automatically and prevents waste. This self-feeding box can be set on the floor or hung on the walls as desired. The birds can help themselves at all times and the supply is kept clean. Price, each \$1.35; postpaid \$1.45.



### NEST EGGS

The China "OPAL" brand are the best made. They are clean cut and uniform. With these there is no danger of getting stale eggs mixed with the fresh ones, or the hens acquiring the habit of egg eating. 3 for 10c; 12 for 35c. By mail add 5c per dozen.

# Blatchford's Products

## Blatchford's CALF MEAL

First on the Market—First in Quality—First in Results

Blatchford's Calf Meal is the original milk-substitute. It was the



first on the market. For over one-third of a century it has been successfully used in raising calves by the most progressive farmers and dairymen in this country. It is the only calf meal backed by so remarkable a record.

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will pay you to use it.

Sold in 100-, 50- and 25-pound bags.  
Satisfaction guaranteed with every bag.

## Blatchford's PIG MEAL

Carries Pigs Safely Through the Critical Weaning Period

This smooth, soluble meal is in composition as near like the sow's milk as it is possible to get it. It contains just the right percentage of vegetable protein, fat, etc., in correctly diversified form to grow bone and muscle. Little pigs relish it and thrive upon it. It "makes the runts catch up."

Sold in 100-, 50- and 25-pound bags. Satisfaction guaranteed.

## Blatchford's LAMB MEAL

Weans Lambs Quickly—Makes Sturdy Youngsters

This nourishing milk-equal weans lambs properly and produces rapid growth. It is easily assimilated by the tender stomach of the young lamb. It contains all the elements found in natural milk, including oil, sugar and albuminous compounds in correct proportions and in the most digestible form for lambs.

Sold in 100-, 50- and 25-pound bags. Guaranteed satisfactory.

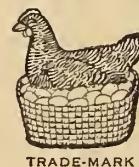
THE outstanding reason for the great popularity of the Blatchford line of milk-substitutes for calves, pigs, lambs, colts, rabbits and poultry, is that each of them gives bigger profits, better and quicker results to farmers, dairymen and poultrymen than they can secure from anything else. Always insist on Blatchford's—the name is a guarantee of satisfaction

raisers in the country. and nutrient chicks need right from the start. It shields them from white diarrhea, bowel trouble and leg weakness.

Blatchford's Milk Mash contains no screenings, hulls or cheap by-products from the manufacture of breakfast foods, cereal foods or scratch grains. It carries the chicks all the way—starts, grows and matures—without change of feed.

*This is the safest, the most economical and the best starting and growing feed on the market. Use it. Sold in 100- and 25-pound bags. Satisfaction guaranteed.*

2 1/4 lbs. at 8 weeks!  
Trade-mark  
Reg. U. S. Pat. Off.



## Blatchford's "Fill-the-Basket" EGG MASH

The Standard of Perfection in Egg Mashes

Blatchford's "Fill-the-Basket" Egg Mash is built upon the principle that eggs are manufactured from the feed the hen receives. The hen is an egg-making factory. Her feed is the raw material from which she makes her eggs. Consequently, her feed must be rich in materials required for egg-production. Scratch grains alone are not sufficient. They will maintain the hen's life, but surplus nourishment is absolutely necessary if she is to yield her maximum of eggs.

Sold in 100- and 25-pound bags. Every bag guaranteed to give satisfaction.

## Blatchford's RABBIT MEAL

Solves the Rabbit-Feeding Problem

This inexpensive milk-substitute feed contains all the nutritive elements the rabbit requires for proper development and growth. It will put your rabbits in condition and keep them so.

Sold in 100- and 25-pound bags. Contains no drugs or tonics.

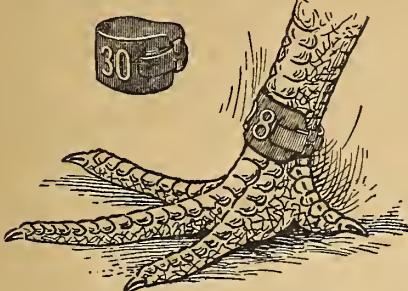
Prices subject to change without notice.

	100 Lbs.	50 Lbs.	25 Lbs.
Blatchford's Calf Meal	\$6.90	\$3.45	\$1.75
Blatchford's Pig Meal	6.80	—	1.75
Blatchford's Egg Mash	6.10	—	1.60
Blatchford's Milk Mash	7.00	—	1.80
Blatchford's Lamb Meal	6.80	—	1.75
Blatchford's Rabbit Meal	7.00	—	1.80

ASK FOR BOOKLET AND LEARN HOW OTHERS MAKE BIG PROFITS.

## IMPROVED CHAMPION LEG BANDS

THE WORLD'S BEST

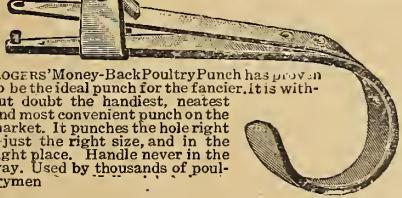


The oldest and most popular band on the market. This band is made in one piece and is adjustable to fit any fowl. They will stay where you put them. Held by double lock, it is impossible for them to lose off, made of aluminum. Price, numbered only 1-12, 15c; 1-25, 30c; 1-50, 45c; 1-100, 80c. Not made in pigeon sizes. Special numbers to suit, 25c per 100 extra.

ROGERS'  
Poultry Punch

ROGERS' POULTRY PUNCH  
LAMONT, Ia.  
PAT. 11-24-03.

## The Money-Back Punch

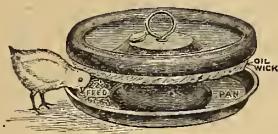


ROGERS' Money-Back Poultry Punch has proven to be the ideal punch for the fancier, it is without doubt the handiest, neatest and most convenient punch on the market. It punches the hole right—just the right size, and in the right place. Handle never in the way. Used by thousands of poultrymen.

It is strongly made and is absolutely guaranteed to give satisfaction or your money refunded. Price, 35c; postpaid, 40c.

## AUTOMATIC CHICK GREASER

Every Chick His Own Doctor.



The greatest drawback in raising chickens is vermin. It is impossible for young chicks that are infested with lice to make a rapid, thrifty growth so as to be profitable to the poultryman. It is the large lice which collect on the heads of young chickens which cause them to droop and die; and formerly the only way to get rid of these lice was to catch each chick and rub grease on its head; but this slow and tedious method is not necessary since the invention of the Automatic Chick Greaser. The wick around the upper part of the greaser is saturated with oil (a mixture of two-thirds lard and one third kerosene or black oil) and every chick which eats out of the pan will get its head thoroughly greased in a very few minutes. This apparatus saves much time and trouble and adds considerable to the profits.

Price, \$1.20; postpaid, \$1.30.

FLY CHASER  
(New Improved)

Why let your animals suffer needless torment from flies all summer long? Your cows waste time when standing in the pond or rushing through the underbrush trying to escape the constant torture of flies, mosquitoes and other winged pests. Your horses will do more work when relieved from fighting flies and save your time and trouble. Fly chaser does not injure hair or animal when used as directed. Fly Chaser should be used in every stable and every barn. Price— $\frac{1}{2}$  gal., 90c; 1 gal., \$1.50.

Liquids Cannot Be Sent by Parcel Post.

The Standard Inoculation

## FAMMOGERM

High-Bred Nitrogen Gathering Bacteria.

## WHAT FAMMOGERM IS:

Fammo germ is a pure culture or growth of nitrogen-fixing bacteria that have been selected and bred up to transform large amounts of nitrogen from the air into soluble nitrates. These bacteria are grown in a jelly, or food, in which they remain active for long periods of time, and sent out in a bottle which admits the necessary supply of pure air, yet keeps out destructive contaminants. If alfalfa can be grown on hot, sandy land of South New Jersey, why can't you grow it?

## WHAT FAMMOGERM WILL DO:

Unless the soil is very acid or wet, Fammo germ will:

1. Increase the yield and quality of legume crops, giving quicker growth and earlier maturity.
2. Increase the food value of legumes.
3. Make legumes grow in new localities where they cannot otherwise be grown successfully.
4. Supply nitrates to other crops growing with the inoculated legume crops.
5. Enrich the soil for future crops, thereby increasing the permanent value of the farm. Better crops—better soil—less fertilizer—less labor.

**Increased Crops** are a well established certainty in all instances where inoculation are used together with proper culture methods. Not only is the crop increased in weight, but in its richness. The United States Department of Agriculture Bulletin No. 71, substantiates these statements, why not increase your farm yields without extra labor and at practically no extra cost?

**Fertilizer Values** of well-inoculated legumes have long been determined. It is shown in Bulletin No. 71, issued by the United States Department of Agriculture, that tests covering a large part of the country prove that legumes will deposit 1,000 lbs. of nitrates per acre. This means that your most expensive commercial fertilizer is absolutely unnecessary when you plant legumes, perfectly inoculated, sown and planted in properly prepared land.

## Peas, Beans, Sweet Peas.

Yield earlier, longer and better when treated with Fammo germ. Fammo germ is endorsed by Farmers, Federal and State Agricultural Departments and private estates. It is delivered to you in bottles, ready for use. You can inoculate the seed for ten acres in ten minutes.

## Cost of Fammo germ.

Extra Farm Size	.....	100 Acres	.....
Farm size	.....	50 Acres	.....
Small Farm Size	.....	5 Acres	\$8.00
Trial Farm Size	.....	1 Acre	2.00
Garden Size	.....	1/4 Acre	.50

ALLCROP  
FAMMOGERM

FERTILIZING BACTERIA

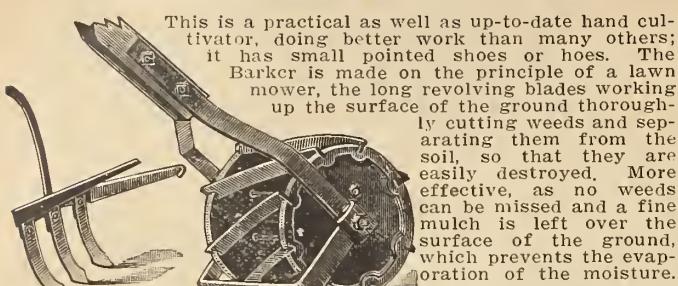
**Allcrop Fammo germ** will aid in increasing the yield of any crop, and enriching the soil. This is furnished in a dry powder form, and contains over 37 strains of Bacteria, and will inoculate any legume crops. **ALLCROP FAMMOGERM** also contains bacteria which fix nitrogen in the soil independently, therefor it is

## GOOD FOR ANY CROP.

Garden Size, $\frac{1}{4}$ acre (Postpaid).....	.75c
One Acre Size Can (Postpaid).....	\$2.00
Five Acre Size Can (Postpaid).....	\$7.50

The addition of nitrogen to the soil by inoculation of legume seed, is estimated where the system has been practiced for years, to be 200 lbs. per acre. The estimate of the U. S. Department of Agriculture compiled from 16 states in the same treatment is 122 lbs. of nitrogen per acre, equivalent to fertilization with 800 to 1000 lbs. of Nitrate of Soda per acre.

## Barker Weeder and Mulcher



This is a practical as well as up-to-date hand cultivator, doing better work than many others; it has small pointed shoes or hoes. The Barker is made on the principle of a lawn mower, the long revolving blades working up the surface of the ground thoroughly cutting weeds and separating them from the soil, so that they are easily destroyed. More effective, as no weeds can be missed and a fine mulch is left over the surface of the ground, which prevents the evaporation of the moisture.

Each machine is fitted up with leaf guards and tooth attachments. The 8½ inch and 10 inch for ordinary use. The 6-inch is for lettuce and crops that are planted in close rows. No. 6 D. Complete with all attachments, 6 inch.....\$7.50  
No. 8½ D. Complete with all attachments, 8½ inch.....\$8.75  
No. 10 D. Complete with all attachments, 10 inch.....\$9.85

## Cyclone Seeder, Corn and Patato Planters



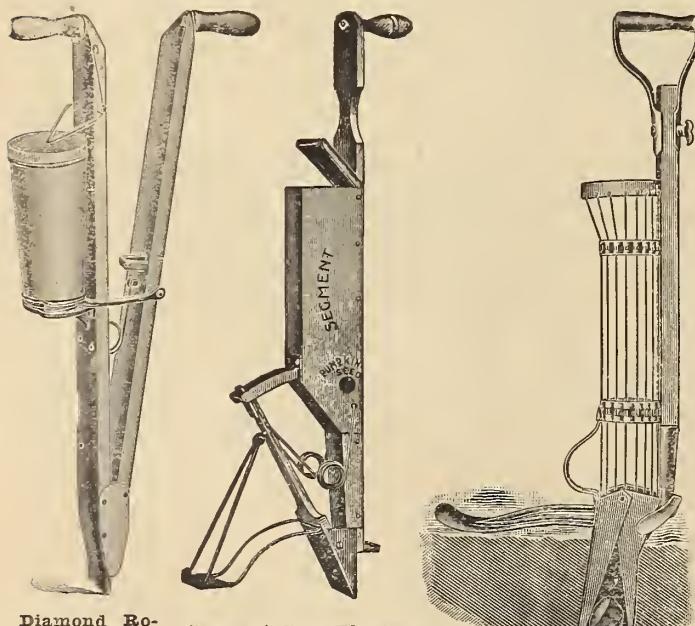
**CYCLONE SEEDER**—Fifty acres in a ten-hour day—seeded evenly, thoroughly and easily. That's what you can do with a Cyclone Seeder. Use it with any seeds that can be sown broadcast or with ground bone, ashes or fertilizers—a Cyclone will pay for itself in three hour's work. Because its absolutely even distribution will make three bushels do the work of four. Each, \$2.00; (Postpaid) .....\$2.15

**POTATO PLANTER**—A light tubular planter. Its spring-closed jaws are especially designed to enter the soil easily, yet open wide enough to drop the largest seed. The dropping lever is adjustable for any depth of planting. The conveyer tube is galvanized iron. Price, \$1.95, (Postpaid) .....\$2.10

**DIAMOND ROTARY CORN PLANTER**—The Diamond is the most perfect Rotary Corn Planter on the market. Has four discs, one especially for Broom Corn and seeds of that class. The Diamond has Rotary drop, and works perfectly. Highly recommended. Price, \$3.00; postpaid .....\$3.45

**ACME CORN PLANTER**—Works in any soil; has a flexible and adjustable iron drop, and does not wear the brush. It has an iron seed box and iron channel. It is well made, strong, durable, reliable and gives universal satisfaction. Each, \$1.55; (Postpaid) .....\$1.80

**SEGMENT CORN PLANTER**—(See illustration). An all metal planter which is operated by a string with the foot, strong, reliable tool. Each, \$2.10; (Postpaid) .....\$2.35



Diamond Ro-  
tary Corn  
Planter.

Segment Corn Planter.

Potato Planter.

## INSECTICIDES, ETC.

**PARIS GREEN**—Most effective Potato Bug Killer known; sure death to all insects which eat foliage. Put up in sealed packages. Use 1 oz. to 3 gallons of water or 1 lb. to 50 gallons for Potato Bugs, or 1 oz., to 6 gallons of water, or 1 lb. to 100 gallons for spraying trees. ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.20; 14 lbs., \$8.10.

**ARSENATE OF LEAD**—(Dry Powder)—This material contains from 31 to 33 percent arsenic—the killing agent. Being light and fluffy it stays in suspension and covers the foliage evenly. Its adhesiveness is unsurpassed. Growers appreciate its convenience, safety and economy, ½ lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50.

**ZINC ARSENATE**—This is of great value in spraying apple and pear trees to control Tussock Caterpillar and other insects. Is rapidly taking the place of Paris Green and does not wash off. May be used for either dusting or spraying. 10 lbs., \$5.50; 25 lbs., \$13.75; 50 lbs., \$25.00; 100 lbs., \$45.00.

FOR PRICES NOT QUOTED—SEE PAGE 80

## “BLACK LEAF 40”

Nicotine Sulphate—40% Nicotine

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering “Black Leaf 40” for sucking insects.

### PRICES:

1 oz.-\$ .25-makes 6 gallons spray
½ lb.-\$ 1.00- " 40 to 120 " "
2 lb.-\$ 3.25- " 160 to 500 " "
10 lb.-\$13.75- " 800 to 2500 " "



**SHEEP AND CATTLEMEN—NOTICE**—Write us for special pamphlet on Black Leaf 40. Helpful suggestions for curing Scabies, Killing Lice and Sheep Ticks.

**“NICO-FUME” LIQUID**—A highly refined solution of “free” nicotine guaranteed to contain 40 per cent of nicotine. For Spraying. Against Green Aphis, Thrips, etc., one to two teaspoonsfuls of “Nico-Fume” Liquid to each gallon of water is usually found very effective. For fumigating: One ounce (two tablespoonsfuls) of “Nico-Fume” Liquid to each 4,000 cubic feet of space furnishes a strong fumigation.

¼ lb. can, 65c; 1 lb. can, \$2.00; 4 lb. can, \$7.50; 8 lb. can....\$14.50



**TREE TANGLEFOOT**—The best remedy against Caterpillars and all tree crawling insects. Will remain sticky for three months. 1 lb., 50c; postpaid, 65c; 3 lbs., \$1.45; postpaid.....\$1.60

**SLUG SHOT**—(Hammond's)—A light non-poisonous composite, fine powder for killing Potato Bugs, Currant and Cabbage Worms, Green and Black Fly, Beetles and Caterpillars. Not injurious to persons or animals. Easily distributed by Duster, Bellows or in water by spraying. Full directions on each package. 1 lb., perforated box, 25c; postpaid, 30c; 5 lbs., 75c; postpaid 10 lbs., \$1.35; postpaid, \$1.55.

Liquids and Poisons Cannot Be Sent by Parcel Post.  
By Express or Freight Only.

Liquids and Poisons Cannot Be Sent by Parcel Post.  
By Express or Freight Only.

**HAMMOND'S WEED KILLER**—The method of killing weeds thoroughly by application of this liquid has become general. It is a great labor-saver. It is to be used only on paths, drives, gutters and places where no growth is wanted. Best time to apply is after rain, while the ground is moist, and will absorb the liquid to the roots of grass and weeds. One gallon will make 20 gallons of treating liquid, sufficient to cover 100 square yards of surface. Price, 1 quart.....60c

**GRAPE DUST**—(Hammonds)—For use on Vegetables, Roses and Grapes. On Lettuce and Cauliflower in the forcing house, against mildew of the grape onion, inert rust mite on the orange. Rust or mildew on parsley, muskmelons or other plants. "Grape Dust" is a practical and usually effectual remedy. It has been used 25 years. 5 lb. pkg., \$1.15; postpaid.....\$1.25

**LIME SULPHUR SOLUTION**—An Insecticide recommended for the eradication of scale. Spray early in spring before the foliage opens. 1 Qt. can, 30c;  $\frac{1}{2}$  gal., 50c; 1 gal.....75c



as the strawberry crown borer, is hatched from an egg deposited on the plants by the maggot fly. This fly dislikes the odor of the spray, and will not deposit the eggs where the odor is present. Cargo is highly recommended by market gardeners and large growers of vegetables. Is sure death to ants.  $\frac{1}{2}$  pint, 30c; pint, 50c; quart, 75c; half gallon, \$1.25; gallon.....\$2.00

**TOBACCO DUST**—For dusting plants effected with Aphis; also used on squash vines and melons; and now largely used for fumigating.  $\frac{1}{2}$  lb., 10c; postpaid, 15c; 1 lb., 20c; postpaid, 25c; 5 lbs., 75c; postpaid.....90c

**FISH OIL SOAP**—For Aphis and all insects which suck. This soap dissolved 3 oz. in 1 gallon of warm water is very effective. About  $\frac{1}{4}$  lb. packages, each 25c; postpaid.....30c

## GOPHER POISON

Kill-Em-Quick.

Kills Gophers, Squirrels, Prairie Dogs and Field Mice. Endorsed by the U. S. and Canadian Governments, County Agents, Farmers' Clubs, etc. Is found to be more economical and effective than anything else on the market. Best, cheapest and safest. Full directions on every package. Satisfaction guaranteed or money refunded. Package sufficient for 40 acres.....50c

CUT WORM FOOD  
Kills Them Quick.

The most effective cut worm killer yet introduced. Just place a little around each plant the day it is set out, or each hill as the seedlings break through. The food is so alluring to Cut Worms that they are attracted to it in place of any vegetation. One lb. sufficient for 100 plants in hills or for 150 feet of drill. Save your plants. 1 lb., 35c; postpaid, 40c; 5 lbs., \$1.50; postpaid, \$1.65.

Liquids and Poisons Cannot Be Sent by Parcel Post.

**KEROSENE EMULSION (Liquid)**—For cabbage worms, Scale, Aphis and Lice such as infest rose and fruit bushes, vegetables and trees. Dilute 1 part to 20 parts of water. Per quart.....85c

**BORDEAUX MIXTURE**—Used principally for Mildew, Blight and Fungus Diseases of all kinds.  $\frac{1}{2}$  lb., 25c; postpaid, 30c; 1 lb., 40c; postpaid.....45c

**DUSTING SULPHUR**—Prevents Mildew, and is a summer dust spray for insects and fungus diseases.  $\frac{1}{2}$  lb., 10c; postpaid, 15c; 1 lb., 20c; postpaid, 25c; 5 lbs., 75c; postpaid, 90c; 10 lbs., \$1.20; postpaid, \$1.35.



## DUSTER OR CANISTER

These are thoroughly well made with very fine openings, allowing economical and even distribution. Can be used for dusting any dry powder. A labor saver. Gallon size, price, 85c; postpaid, 95c.

## PLANT FOODS AND FERTILIZERS



**BOWKER'S PLANT FOOD**—The original odorless house plant food manufactured in the U. S. Packages contain sufficient plant food for 30 plants for three months. 4 oz. pkg., 20c; postpaid, 25c; 12 oz. pkg., 40c; postpaid, 50c.

**RED SNAPPER PLANT FOOD**—This comes highly recommended by many users—for all classes of plant growth. 2 lb. pkg., 50c; postpaid, 65c; 5 lb. pkg., \$1.00; postpaid \$1.20.



**BONE MEAL**—A well known fertilizer, for all purposes, safe and effective. 1 lb., 10c; postpaid, 15c; 3 lbs., 25c; postpaid 35c; 10 lbs., 65c; postpaid, 85c; by express or freight, 50 lbs., \$2.60; 100 lbs., \$5.00.

## NITRATE OF SODA

A fertilizer for all crops, quick in action and hastens the maturity of crops fully two weeks. Being quickly soluble, it should not be applied until the plants are above the ground, when 200 to 300 lbs. per acre is sufficient. Usually in combination with other chemical fertilizers, Nitrate of Soda is the best form in which nitrogen can be restored to the soil. It is of special value for crops such as Peas, Corn, Beets, Cabbage, etc., and of great benefit to hay and forage crops. Do not allow solution to touch foliage.

Nitrate of Soda is a great stimulant for the production of Sugar Beets, Potatoes, and Sorghum, also small Fruits. Nitrate of Soda does not exhaust the soil. Dissolve 1 oz. to 3 gal. or 1 lb. to 50 gallon. 1 lb., 15c; postpaid, 20c; 2 lbs., 25c; postpaid, 35c; 5 lbs., 60c; postpaid 75c; 10 lbs., \$1.10; postpaid, \$1.35.

"PEERLESS BRAND"

## SHEEP MANURE-- Pulverized

The Best Fertilizer for the Lawn and Garden.

This is a pure animal fertilizer, from the Sheep Corrals of Montana, thoroughly dried—without removing anything but moisture—and finely ground. For use on the lawn, in the garden, in the greenhouse or in potting soil—it has no equal.

As a spring or fall top-dressing for lawns, it is the best that can be procured. No offensive odor, and no unsightly chunks to rake off. The first shower or watering after an application of "PEERLESS BRAND" PULVERIZED SHEEP MANURE carries the soluble particles down to the roots, and rapidly produces a most luxuriant growth. The decaying humus also carried to the surface of the soil (being finely ground) adds to its drought resisting qualities and continues the feeding of the lawn for some time.

in the garden, "PEERLESS BRAND" PULVERIZED SHEEP MANURE is the very best for securing rapid growth of all plants. Opens and lightens up stiff heavy soils and adds humus to light soils.

Can also be used as liquid manure, in water. For general use apply 50 lbs. to every 1000 square feet, 600 to 800 lbs. per acre for lawns. For general field and garden use—1 Ton per acre.

500 lb. lots, per 100 lbs.	\$3.00
100 lb. sack	\$3.35
50 lb. sack	\$1.75
25 lb. sack	\$1.00
10 lb. bag	60c
5 lb. bag	35c
1 lb. bag	15c

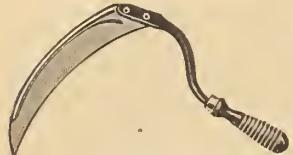
Price F. O. B. Helena, by express or freight. If wanted by mail add postage. For larger quantities write for special prices.

## SHEARS



**GRASS SHEARS—Superior**—A good article at a low price, per pair, 45c postpaid ..... 50c

**GRASS SHEARS—(Hartford)**—Tool steel, the best that money can buy; per pair, 90c; postpaid ..... 1.00



**Little Giant Grass Hook.**

**LOPPING SHEARS**—Per pair ..... 1.25  
Long handles, used for cutting back small trees, shrubs or bushes.



**HIGH GRADE PRUNING SHEARS**—For Vineyard and other pruning. No. 9-S, 60c; postpaid, 70c; No. 9-SC, 75c; postpaid, 85c; No. 8-NC \$1.50; postpaid \$1.60

**WATERS TREE PRUNERS**—With removable cutting blade complete. Each, 6 feet, \$1.50; 8 feet, \$1.75; 10 feet, \$2.00. Waters Pruners can not be sent by parcel post.

**7438 CULLING SHEARS**—6½ inch, 75c; postpaid ..... 85c

**PRUNING OR TREE SAW**—Each \$2.25; postpaid ..... 2.45

## HOSE

Last season saw what to many appeared an innovation in the size of hose for ordinary garden use. Exhaustive tests have proven that  $\frac{5}{8}$  inch hose is more practical than  $\frac{3}{4}$  inch hose for ordinary standard conditions. The fact that the ordinary standard service pipes are but  $\frac{1}{2}$  inch, and that the ordinary bibb or faucet to which the hose is attached, has but an  $\frac{1}{2}$  inch outlet or valve opening should convince anyone that it is good policy to use a  $\frac{5}{8}$  inch hose. Also,  $\frac{5}{8}$  inch hose is lighter, and consequently suffers less from abrasive wear in use on concrete and gravel walks than the heavier  $\frac{3}{4}$  inch hose, and while costing less, will last longer and deliver, under ordinary conditions as much water. Another point in its favor is the fact that  $\frac{5}{8}$  inch hose of the same quality will withstand a greater pressure than  $\frac{3}{4}$  inch, and will not kink as readily.

## ELECTRIC HOSE



Electric Hose is acknowledged today to be the best Hose that can be procured at any price. It is made from the highest grade materials obtainable, is practically unkinkable, and will give longer life and better satisfaction with proper care than any other make. Look for the sharp corrugations, the foot measurements in numerals at every foot length, and the brand shown in the above cut.

**All Electric Hose Double Fabric—Corrugated. "Electric" Hose Wears Like a Pig's Nose.**

**ELECTRIC HOSE**— $\frac{1}{2}$  inch—25 ft. lengths ..... 5.50

**ELECTRIC HOSE**— $\frac{1}{2}$  inch—50 ft. lengths ..... 10.00

**ELECTRIC HOSE**— $\frac{1}{2}$  inch—in any special length desired—by the foot ..... 19c

**ELECTRIC HOSE**— $\frac{5}{8}$  inch—25 ft. lengths ..... 5.75

**ELECTRIC HOSE**— $\frac{5}{8}$  inch—50 ft. lengths ..... 10.50

**ELECTRIC HOSE**— $\frac{5}{8}$  inch—in any special length desired—by the foot ..... 20c

## BLACK FIN HOSE.

**BLACK FIN HOSE**—Second only to "Electric." All Black Fin Hose Double fabric corrugated.

**BLACK FIN HOSE**— $\frac{1}{2}$  inch—50 ft. lengths ..... 8.50

**BLACK FIN HOSE**— $\frac{1}{2}$  inch—in any special length desired—by the foot ..... 17c

**BLACK FIN HOSE**— $\frac{5}{8}$  inch—50 foot lengths ..... 9.50

**BLACK FIN HOSE**— $\frac{5}{8}$  inch—in any special length desired—by the foot ..... 18c

**COUPLINGS**—Per set—For special lengths ..... 30c

**COTTON HOSE WITH RUBBER TUBE**—A well constructed, very light to handle hose, guaranteed to be of first-class materials,  $\frac{1}{2}$  inch, per 25 ft. length, \$3.50; per 50 ft. length, \$6.50. The Highest Grade Cotton Hose on the market.

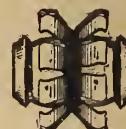
**HOSE WASHERS**—Per dozen ..... 10c

## HOSE MENDERS

**COOPER HOSE MENDER**—(Brass)—For joining a broken hose cut through and insert the mender. No clamps required. For either  $\frac{1}{2}$  inch or  $\frac{3}{4}$  inch hose. Each ..... 10c  
Postage 10c per dozen extra.

**HOSE MENDER**—(Japanned)—Used same as above. Hose bands are required.  $\frac{1}{2}$  or  $\frac{3}{4}$  in. each, 10c; Postage 10c per dozen extra.

**PERFECT CLINCHER HOSE MENDER**—No wiring, no screws, no tools needed except a hammer; no obstruction in the hose; a boy can use them and make a perfect mend; a one-piece article which does the work of the mender and tube and two clamps ordinarily used. Price,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$  in. each ..... 10c  
Postage 10c per dozen extra.



**HOSE BANDS OR HOSE CLAMPS**—For fastening the hose to a coupling with nut and screw.  $\frac{1}{2}$ ,  $\frac{5}{8}$ , or  $\frac{3}{4}$  inch ..... 5c  
Postage 10c per dozen extra.

**HOSE WASHERS**—Per dozen ..... 10c

## HOSE COUPLINGS.

**HOSE COUPLINGS**—(Brass)—In  $\frac{1}{2}$ ,  $\frac{5}{8}$ , or  $\frac{3}{4}$  sizes. each, 20c; postpaid ..... 25c

**"PERFECT CLINCHING" HOSE COUPLINGS**—Slip it in the hose and hammer down—that's all. A self-fastening coupling that does not require extra hands, bolts, or wires. It adjusts itself to any thickness of hose. A fixed hold—it will not pull off. It cannot turn within the hose, a great gain over other couplings. A smooth joint with no projecting parts. A perfect joint that cannot leak. The harder the pressure, the tighter it gets. The tough brass in the clamping fingers permits taking off and using again. Strong and durable at every joint.  $\frac{1}{2}$ ,  $\frac{5}{8}$ , and  $\frac{3}{4}$  sizes. Price, each, 25c; postpaid ..... 30c

**PERFECT CLINCHING**—PATENTED 1910

permits taking off and using again. Strong and durable at every joint.  $\frac{1}{2}$ ,  $\frac{5}{8}$ , and  $\frac{3}{4}$  sizes. Price, each, 25c; postpaid ..... 30c

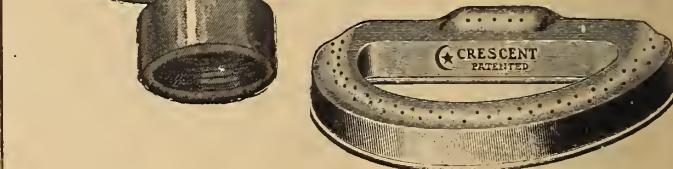
## LAWN SPRINKLERS

**THE SQUARE FOUNTAIN SPRINKLER**—The lower holes throw a wide spreading square. From the crown is omitted a volume of smoky mist that is unsurpassed for beauty. It gives an even distribution seldom equaled. It will sprinkle the side of your house, along the walk and reach the edges without throwing water over the passerby. It is not necessary to sprinkle half the grass twice to get over it, thus covering the ground with the least water. Price, 65c; postpaid ..... 75c

**"TWIN" SPRINKLER**—See cut. Made of zinc metal and cannot rust. Will cover the lawn evenly for 16 feet radius. Very popular. Each, ..... 35c; postpaid ..... 40c

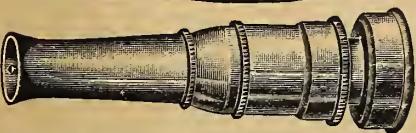
**BORDEAUX SPRAY NOZZLE**—Each ..... 1.50

**CRESCENT SPRAYER**—Each \$1.00; postpaid \$1.10

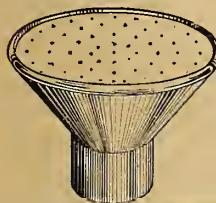


**EUREKA SPRAYING NOZZLE**—Each, 75c; postpaid.....80c

**"HANDY" FOUNTAIN SPRINKLER**—Not very big; costs very little; but it sprinkles as much ground as the big ones. It throws all the water away from the hose end, giving a beautiful fountain spray. No tipping over, just walk up to it and adjust it after the water is turned on. When held in the hand is splendid for sprinkling flowers. The weight of the metal and shape make it proof against hard knocks. Made of heavy No. 22 gauge brass, 4½ inches long by 2¼ inches high, each, 40c; postpaid 45c.



**THE MEG**—The best brass nozzle for hand use; will throw a straight stream also fine or coarse spray, recommended by all. 85c; postpaid.....90c



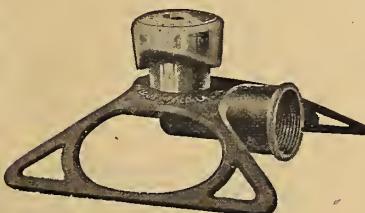
**"ROSE" OR "BOSTON" SPRINKLER**—A good serviceable, low priced sprinkler, throwing the well known rose spray. Works well on either high or low pressure. Each, 85c; postpaid.....90c



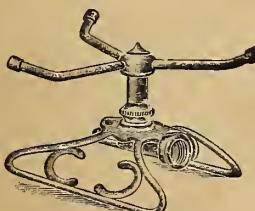
**"WILGUS" NO. 1**—The original Wilgus sprinkler; one of the leaders of the type, and one of the best. Works well on all pressures. Each, 45c; postpaid,.....50c

**"WILGUS" NO. 2**—The improved Wilgus, with two openings to the water chamber, and throwing a center stream, giving fountain effect at same time as spray. Each 50c; postpaid.....55c

**"WILGUS" NO. 21**—This sprinkler is designed for those who desire a fine rain-like spray, and is one that will not turn over when under pressure. All Lawn Sprinklers and Hose Nozzles are standardized, and will fit, no matter what size the hose is. Each \$1.25; postpaid \$1.35

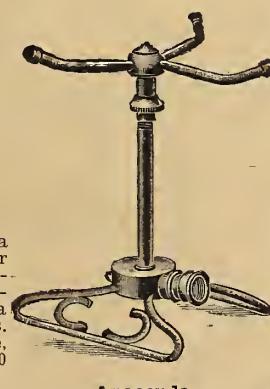


Wilgus No. 21.



Zenith.

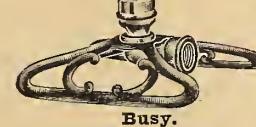
**ZENITH SPRINKLER**—Represents a new principle in revolving sprinkler heads, friction being almost eliminated, and reducing leakage to a minimum. The Zenith is mounted on a sled as shown in cut. Height 5 inches. A very useful sprinkler. Price, each, \$1.95; postpaid.....\$2.10



Anaconda

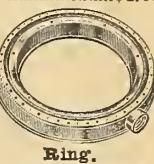
**THE ANACONDA**—Same as the Zenith—except the height, which is 11 inches. Each, \$2.50; postpaid.....\$2.75

**THE BUSY**—One of the best distributors of water on the market. Covers a circle of about 30 feet in diameter, very uniformly. The busy is a very popular sprayer. Each, \$1.50; postpaid.....\$1.65



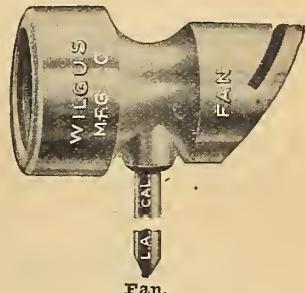
**RING SPRINKLER**—

Made entirely of heavy sheet brass and measures about 8 inches in diameter. The Ring throws a fine mist, covers a large circle and can



Ring.

be conveniently moved about without shutting off the water. Guaranteed to stand water pressure of any Municipality. Price, each, \$1.25; postpaid.....\$1.35



**FAN SPRINKLER NO. 8**—Made of zinc metal and shaped so that it will water a bed on one side only. A most convenient sprayer. Each, 25c; postpaid.....30c

**VOLCANO SPRAYER NO. 55**—Will throw a spray about 20 feet in diameter. Each 35c; postpaid 40c

## GARDEN REELS

**GARDEN REELS**—For using with a garden line; very handy tool. Each, 75c; postpaid.....90c

## GARDEN LINE

**GARDEN LINE**—Strong, braided jute line, 100 ft. lengths, 80c; postpaid.....95c

## GRAFTING WAX

**MAGIC GRAFTING WAX**—Superior quality for grafting, ¼ lb. 20c; postpaid, 25c; ½ lb., 35c; postpaid, 40c; 1 lb., 50c; postpaid.....60c

## GLAZING POINTS

**GLAZING POINTS**—Van Reyper's; the new point for glazing sash, etc. Per 1,000, 75c; postpaid.....80c

## PRUNING COMPOUND

**PRUNING COMPOUND**—You will find this much more effective in stopping "bleeding" of the sap after pruning trees, shrubbery, etc., than tar and other mixtures sometimes used. It is also more satisfactory in every respect. It effectively seals the surface and will not wash off with the weather. Pruning Compound is also an excellent preventive for worm boring. 1 quart can, 60c; postpaid.....75c

## RAFFIA

**RAFFIA**—Useful material for tying plants; also used for basket making. Per lb., 60c; postpaid.....70c

Dodson, Mont., June 18, 1919.

State Nursery & Seed Co.,  
Helena, Mont.

Gentlemen:—I received my plants all O. K. on order # 94596. I wish to thank you for quick service rendered.

Yours truly,  
Mrs. Chas. Newman.

## TROWELS



211.

211. Forged Steel Garden Trowel, blade and shank are made of one piece of steel, being forged out in the same way as masons' brick trowels. A stout, strong trowel, suitable for the hardest work.

Price, 6-inch blade, each 60c; postpaid.....70c



212.

212. Solid Steel, Garden Trowel, made of one piece, heavy sheet steel, the shank and blade being one piece; a good strong trowel for family use; finely polished.

Price, 6-inch blade, each 40c; postpaid.....50c



213.

213. Made of cold rolled steel, bright blades, malleable iron shanks firmly riveted. The blades will not pull off the shanks.

Price, 5-inch blades, each, 25c; postpaid.....35c

Price, 6-inch blades, each, 30c; postpaid.....40c



214.

214. English pattern, extra heavy Garden Trowels; shanks riveted on blade with extra long rivets; blades finely polished; a very fine article.

Price, 6-inch blades, each, 30c; postpaid.....40c



215.

215. English pattern, extra heavy, riveted by the new method.

Price, 6-inch blades, each, 30c; postpaid.....35c



216.

216. Ladies' Flower Trowel, Riveted by new method.

Price, 6-inch blade, 15c; postpaid.....25c



217.

217. Transplanting Trowel—the blade and shank of this trowel are made of one piece of heavy sheet steel. Excellent for lifting and setting out plants and seedlings.

Price, 5-inch blade, 15c; postpaid.....25c

Price, 6-inch blade, 20c; postpaid.....30c

216A—Broad Bladed Bulb Trowel, each 60c; postpaid.....65c

217A—Transplanting Hoe Trowel, 7 in. Each 35c; postpaid.....45c

2120—Long Handled Trowel. Each, 45c; postpaid.....55c

## WEEDERS

**GARDEN WEEDER WITH RAKE**—A short-handled tool, very handy for flower garden.

Each, 25c; postpaid.....35c



**LANG'S  
HAND  
WEEDER  
HANDIEST  
TOOL  
ON EARTH.**

## WEEDING FORKS



No. 300

**GARDEN WEEDING FORK No. 30**—3 tine, malleable, each, 15c; postpaid.....20c

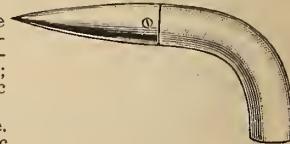
**GARDEN WEEDING FORK No. 300**—3 tine, very strong, useful tool. Each, 45c; postpaid.....50c



**GARDEN WEEDING FORK No. 400**—4 tine, short handled, very strong, useful tool. Each, 45c; postpaid.....50c



**MAGIC COMBINATION WEED-  
ER**—A very handy tool for use among flowers and small vegetables. Destroys the weeds and leaves the earth about the roots without disturbing the roots themselves. Price, 65c; postpaid.....75c



**DIBBLE—No. 219**—Bent wood handle with iron point; usual size, handiest tool ever made for transplanting cabbages, etc. Each, 50c; postpaid.....60c

**DIBBLE—No. 220**—Iron Dibble. Price, each, 50c; postpaid.....60c

## SPRAYERS



**THE "PERFECTION" SPRAYER**—The strongest and most powerful Sprayer made. Perfectly simple; simply perfect. This Sprayer is considered one of the strongest and most powerful of the high pressure class. The barrel is 7 1/2 inches in height. The hose is 5-ply. Nozzle is of the Automatic type. Capacity of tank four gallons. Weight 9 1/2 lbs. This Sprayer will handle Whitewash, Water, Paints, Bordeaux Mixture with equal facility. For very heavy liquids use the extra nozzle cap which is furnished with the sprayer. May be used with extensions—which come in two 18-inch pieces. One or both may be used. Furnished in Galvanized steel. Price, \$8.00; postpaid.....\$8.25



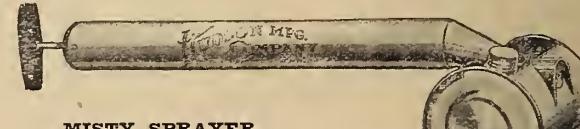
**THE "SUCCESS" SPRAY PUMP**—This pump has brass air chamber in the stock and is furnished with Bordeaux Nozzle which throws a continuous stream of fine or coarse spray. Price, as illustrated, with 3 ft hose, \$5.75; postpaid.....\$6.00



**THE PERFECT SUCCESS**—Same as above with special foot rest, clamps bucket and pump together, so outfit may be carried in one hand. Price \$6.75; postpaid, \$7.00. Extra 7-foot section of hose for Success or Perfect pumps with couplings and pole holder, \$1.75; postpaid.....\$1.85

DAISY SPRAYER.  
Double Action.

**THE "DAISY"** is a labor saver. It works both ways, sprays the same on the return stroke as on forward stroke, thus doing twice the work. Sprays straight up as well as down, a valuable feature in spraying poultry houses, etc. It speaks for itself, and needs no further description; is made with galvanized tank and holds 1 quart. Price, each, \$1.15; postpaid.....\$1.25

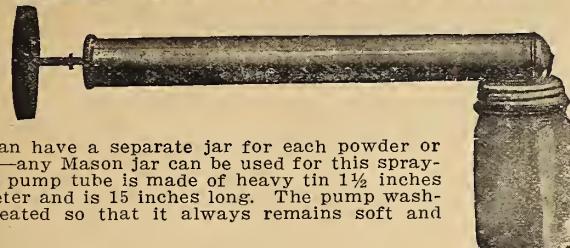


## MISTY SPRAYER

**THE "MISTY" SPRAYER** is used to apply all kinds of insecticides on plants, etc. Unsurpassed for applying all kinds of stock dips and fly killer on cattle and horses, also for disinfecting poultry houses, barns, etc. Made of good tin and holds 1 quart. Price, each, 85c; postpaid.....95c

## SPRAYERS—Continued.

## A COMBINATION POWDER GUN AND SPRAYER.



You can have a separate jar for each powder or solution—any Mason jar can be used for this sprayer. The pump tube is made of heavy tin  $1\frac{1}{2}$  inches in diameter and is 15 inches long. The pump washer is treated so that it always remains soft and pliable.

**You Can Blow**—Lice Powder, Insect Powder, Cabbage Worm Powder, Flea Powder, Hellebore, Healing Powder, Paris Green; in fact any powder that blows.

**You Can Spray**—Paris Green solution, Liquid Lice Killer, Disinfectant, Bordeaux Mixture, Fly Chaser, Sheep Dip, or medicine of any kind into open wounds or sores. It blows and sprays in any position, up or down. You don't know of a sprayer that has more genuine use than this. Price, each, 75c; postpaid.....85c

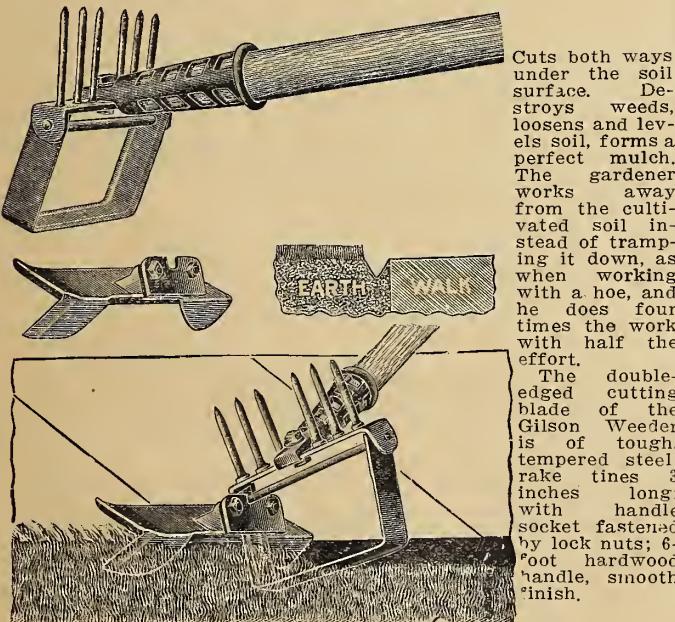
## CORONA HAND DUSTER.



Gold Medal for mechanical efficiency at the Panama-Pacific International Exposition and no other dusting device in its class can approach it for efficiency, ease of manipulation, simplicity and durability. Price, each, \$2.50; postpaid.....\$2.65

**SCOLLAY RUBBER SPRINKLER**—For spraying small plants. An ideal one for house use. When once used you will wonder how you got along without it. Will last a lifetime. Price, \$1.75; postpaid \$1.80

## GILSON WEEDE



Gilson Weeder Showing Lawn Edge Trimmer Attached.

Gilson Weeders cannot be sent by Parcel Post. By Express or Freight Only.

3 $\frac{1}{2}$ inch blade, each.....	75c
5 inch blade, each.....	85c
6 inch blade, each.....	90c

**GILSON LAWN TRIMMER**—Is an attachment to the Gilson Weeder for cutting away the grass along the edges of walks. You can keep your walks looking trim and neat with this practical little tool. Very simple and easy to attach. See Cut. Price, each, 45c; postpaid.....55c

## Gibson Scratch Weeders

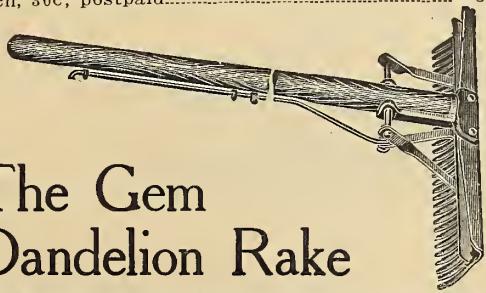
Patent Applied for.



The pointed tines of the Gibson Scratch Weeder are self-cleaning, and do not clog in moist earth; a thoroughly practical and strongly-built little tool for close work.

**Five-Point Self Cleaning Scratch Weeder**, size  $2\frac{3}{4}$  inches, with 6-inch black enameled wood handle, made of semi-steel, galvanized to prevent rust. Price, each, 15c; postpaid.....25c

**Seven-Point Self-Cleaning Weeder**, size  $3\frac{1}{4}$  inches, with 16-inch smooth oak handle, made of semi-steel galvanized to prevent rust. Price, each, 30c; postpaid.....40c



## The Gem Dandelion Rake

A scientifically constructed tool for eliminating dandelions; cuts off all buds and blossoms, preventing further propagation from seed. Original roots soon starve out. The fine blade-like teeth of the GEM RAKE slide flat along the ground and catch the buds and blossoms, but allow growing grass to slip through easily. Self-cleaning comb-bar fits between apertures of teeth and prevents clogging. This bar is connected to a rod on the handle and combs teeth clean at a slight pull on the finger hook. A stiff spring sends the comb-bar back into original position when finger hook is released.

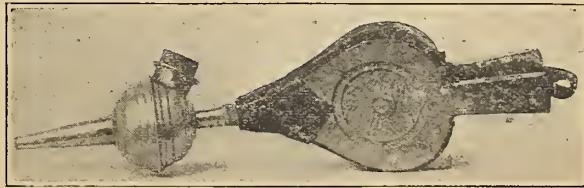
16-inch medium size .....	\$3.00
24-inch large size, with leaf back.....	\$4.00



Excelsior Weeder.

Very popular tool in the flower garden. Each, 20c; postpaid, 30c.

**POWDER BELLOWS**—This bellows is designed for dusting plants with dry powder and can be held in any direction without wasting powder, can dust under the leaves as well as on top and does not clog. Price, 30c; postpaid.....40c



Powder Bellows.

**NEPONSET PAPER POTS**—The unequaled paper pot for general transplanting young plants of all kinds. Light, strong, waterproof and inexpensive. Try them if you raise your own Tomato and other vegetable plants.

	Per 100	Per 100
Postpaid		Postpaid
2 $\frac{1}{4}$ inch.....	55c	\$1.60
2 $\frac{1}{2}$ inch.....	65c	\$2.30
3 inch.....	85c	\$3.20
3 $\frac{1}{2}$ inch.....	\$1.20	



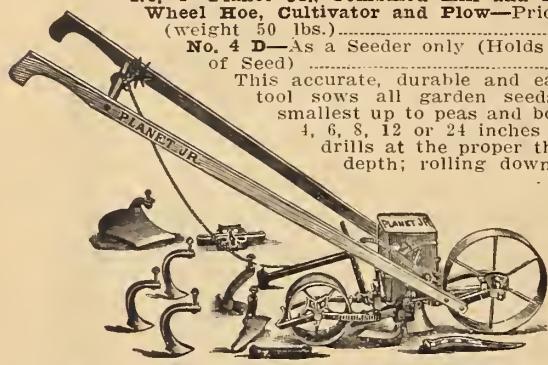
## Planet Jr. Garden Tools



The name "Planet Jr." has become synonymous with labor saving among gardeners and farmers everywhere and they instinctively want the implement that bears this trade mark. The times demand maximum production; and gardeners and farmers are on the alert for aid to get the biggest return from the soil for the least expenditure of time and effort.

No. 4—**Planet Jr., Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow**—Price complete (weight 50 lbs.) \$19.50

No. 4 D—As a Seeder only (Holds 2½ Quarts of Seed) \$15.50  
This accurate, durable and easy running tool sows all garden seeds from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking



out the next row all at one passage. No time is lost. No seed is wasted.

Planet, Jr. No. 25—**Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow**—Holds 6½ quarts, Weight, complete, 61 lbs. Price \$23.00

Equipment, one pair 6-inch Hoes, 4 Cultivator Teeth, one pair Plows, two Leaf Guards, one Marker. This is a tool for Market Gardeners or large family gardens, where both single and double wheel hoes can be used to advantage. The hopper will hold four pounds of Onion Seed.



No. 31—**Planet, Jr., Combined Drill Seeder and Single Wheel Hoe**. Price complete (Packed weight, 32 lbs.) \$13.00

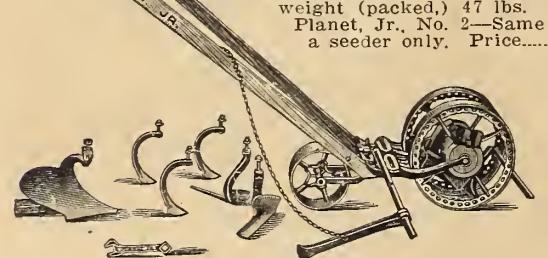
No. 31 D—As a Drill Seeder only (Packed weight, 26 lbs.) \$10.50  
This new combined tool is of great value to thousands of gardeners who have never felt able to own, either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from ¼ to 2 inches deep. Quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay.



No. 1—**Planet, Jr., Combined Drill, Seeder, Wheel Hoe, Cultivator and Plow**—Price \$15.50

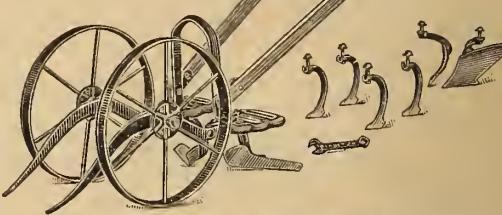
Equipment: One pair 6-inch Hoes, 3 Cultivator Teeth, one large Garden Plow and one Marker. This is the old Reliable Planet, Jr., No. 1. Many of these tools have been in constant use for over thirty years, and are still giving good satisfaction. Holds 3 pts. weight (packed,) 47 lbs.

Planet, Jr., No. 2—Same as No. 1, as a seeder only. Price \$12.75



No. 12—**Combined Double and Single Wheel Hoe, Cultivator and Plow**—Weight, 33 lbs. Price \$12.50

This tool has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters. The attachments sold with No. 12 are what gardeners use most, and others can be added as wanted.



No. 13—**Planet, Jr., Double Wheel Hoe—Steel Frame**—Price \$9.00  
The greatest hand cultivating tool in the world for the onion and small sugar beet grower, and also for every grower of garden and market garden crops from drilled seed. They do more and do it better and easier than can possibly be done in any other way, where rows are too close for horse work. Has 1 pair 6-inch hoes only. Useful throughout the season.

No. 16—**Planet, Jr., Single Wheel Hoe**—Weight, 26 lbs. Price \$10.50

These Single Wheel Hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do.



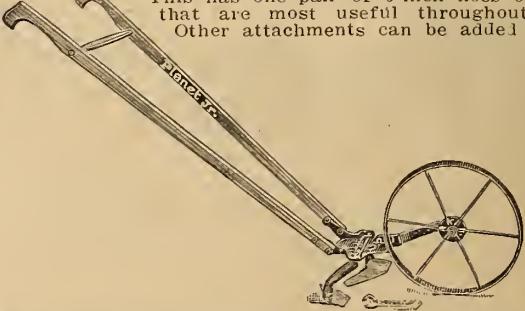
No. 17—**Planet, Jr., Single Wheel Hoe**—Price \$8.75

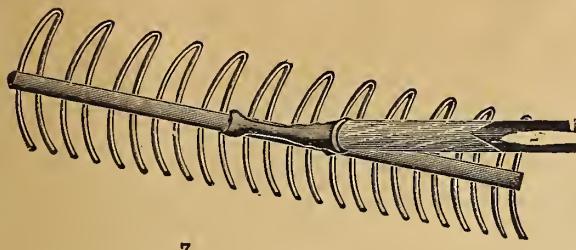
You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth; an outfit sufficient for most garden work.



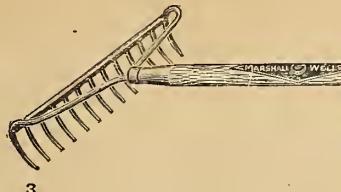
No. 18—**Single Wheel Hoe**—Price \$6.25

This has one pair of 6-inch hoes only—the tools that are most useful throughout the season. Other attachments can be added as needed.

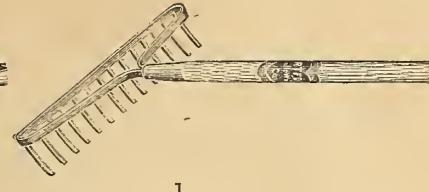




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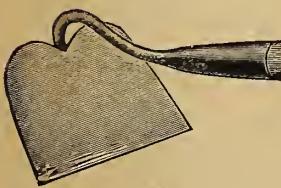
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*All Articles on this Page NOT QUOTED POST-PAID, Forwarded at Purchaser's Expense.*

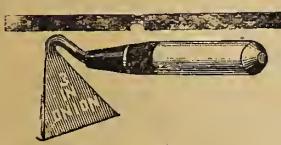
## Hoes, Rakes, Spading Forks, Etc.



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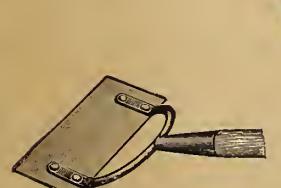
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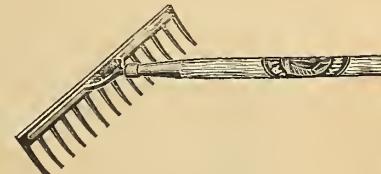
**Asparagus Knife**—See page 71—Each, 50c; postpaid.....60c

**Hartford Solid Steel Bow Rake**.

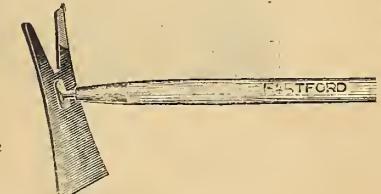
No. 1—H14LB—14 teeth, 5½ ft. handle.....	\$1.20
No. 2—H16LB—16 teeth, 6 ft. handle.....	\$1.35
No. 3— <b>Zenith Garden Rake B132</b> —13 teeth, 5½ ft. handle, curved steel teeth.....	\$1.35
No. 4— <b>Zenith Garden Rake B152</b> —15 teeth, 6 ft. handle, curved steel teeth.....	\$1.55
No. 5— <b>Northern King Steel Rake</b> —Double bar head, 5½ ft. handle, 12 teeth.....	.90c
No. 6— <b>Superior</b> Malleable Iron Single Shank, 5½ ft. handle, 12 teeth.....	60c

**Gen Dandelion Rake**—See page 121.

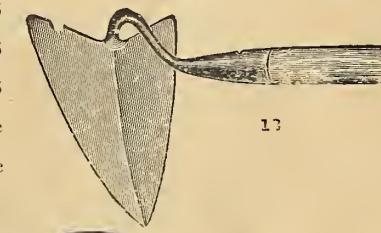
No. 7— <b>Reversible Wire Lawn Rake</b> —The best lawn rake known, has twenty-four wire teeth with a twenty-inch metal head; each.....	.95c
No. 8— <b>Special Lawn Rake</b> —12 inch—curved saw teeth head, used for cutting Dandelion heads. Each.....	\$1.35
No. 9— <b>Combined Hoe and Rake</b> —4 prong, 4½ ft. handle.....	.65c
No. 10— <b>Zenith Garden Hoe</b> —Solid socket. First quality regular steel, 7½ inches wide. Each.....	\$1.50
No. 11— <b>Garden Hoe</b> —First quality steel, 7½ in. wide; each	\$1.30
No. 12— <b>Acme Special Steel Weeding Hoe</b> . 4½ ft. handle; very useful, light tool; 4½ inch blade, each.....	\$1.60
No. 13— <b>Warren Hoe</b> —7-inch blade, 4½ ft. socket handle, good for cultivating or irrigating; each.....	\$1.25
No. 14— <b>Superior Weeding Hoe</b> —3W—16-inch handle, each, 60c; postpaid.....	.70c
No. 15— <b>ZAC 3</b> —Zenith Adjustable 3-prong Cultivator—Each, \$1.10	
No. 16— <b>Hartford Two-Prong Weeding Hoe</b> .....	.75c
No. 17— <b>Zenith Four-tined Spading Fork</b> —First quality, polished flat face, heavy angular tines, strap ferrules, D handles; each.....	\$1.95
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No. 19— <b>Turf Edger or Lawn Trimmer</b> —Special steel socket, 4 foot handle, bronze finished blade; each.....	\$1.35
No. 20— <b>Thistle, Dandelion or Dock Cutter</b> —With malleable iron foot rests and 4½ ft. D handles; each.....	.75c
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No. 22— <b>Hartford Scuffle Hoe</b> —With 5 ft. handle and 8-inch blade; each.....	.95c
No. 23— <b>Dandelion Weeder</b> — <b>Northern King</b> —Handle and blade are made of one piece of steel tube. Has no springs; rod operating the grab blade runs through the tube and cannot be bent. Length, 43 inches. Each, \$1.50; postpaid.....	\$1.65



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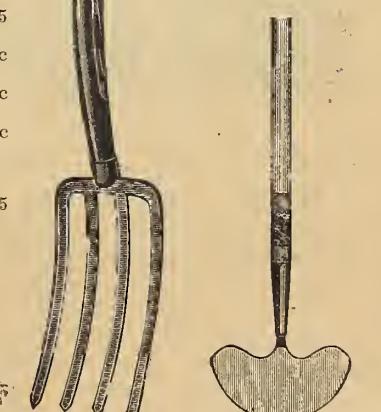
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PERGOLA—With Virginia Creeper, Hill Park, Helena, Mont., near Gt. Northern Depot. which shows in the picture. This is, we understand, at the present writing, the only Pergola in a public park in Montana, and was presented to Hill Park and the City of Helena by Mrs. Chas. T. Perry, of Helena.



AMBER CANE—Sown July 20, 1919, by R. W. Dix, Glasgow, Mont. Photo in September. Can you beat it for forage plant growth? Courtesy of Murray E. Stebbins, Co. Agt.



SUNFLOWERS—On ranch of Mr. Koekler, Milk River Bottom near Glasgow. Courtesy of Murray E. Stebbins, Co. Agt. These are a wonderful crop for silos.



The two views depicted above, show the results obtained by Jno. McCarthy, Arlee, Mont., on non-irrigated land. The cut on the left is of his home—with Virginia Creeper and shrubs, and the cut on the right—the first cutting of a field of Grimm Alfalfa, 1919.



The above is a splendid picture of the results that can be obtained in vegetable gardening in this section. The photograph was taken of the exhibit of Miss Louise C. Durocher, Malta, Mont., at the Empire Fair at Billings, Mont., 1918, winner of the State Prize.



WILD CUCUMBER—Grown by Mrs. M. R. Smith, 1920 Utah Ave., Butte. A splendid example of the wonderfully heavy growth often attained by this favorite vine.



STORE INTERIOR, FULLER AVE., HELENA



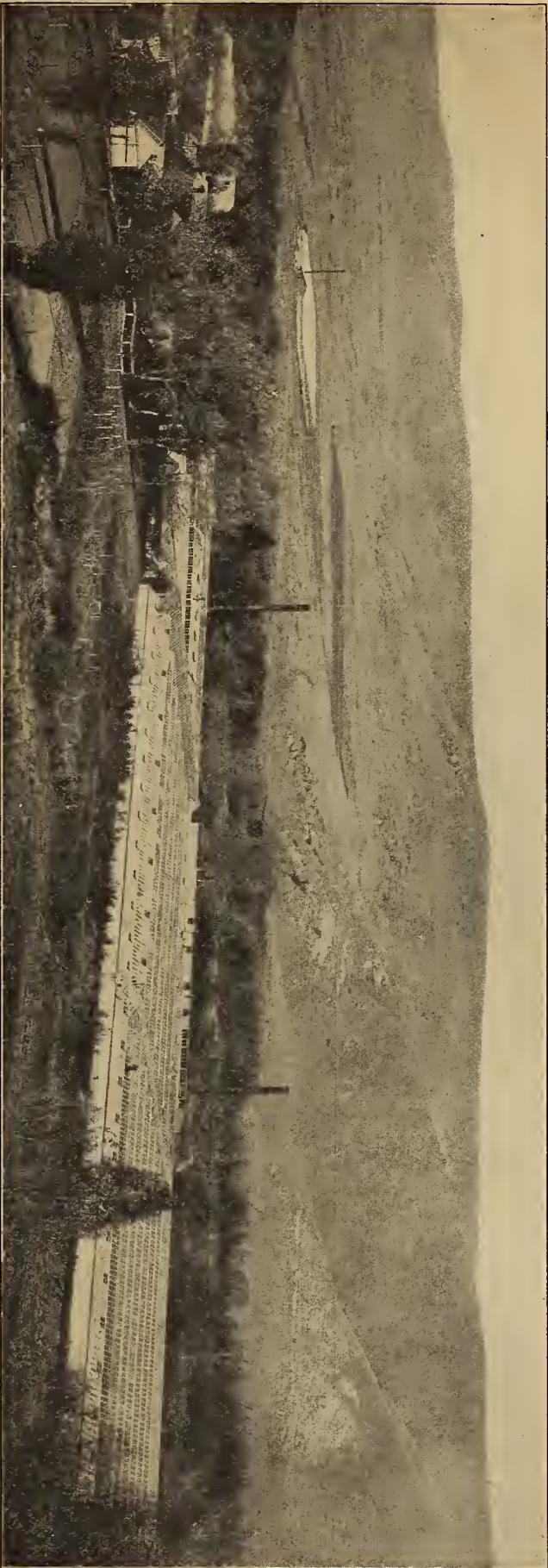
WAREHOUSE, NEAR G. N. R. R. DEPOT

## VIEWS OF STATE NURSERY AND SEED CO.'S. PLANT

The views appended on this and the preceding page give our customers some idea of the grounds on which we base the statement that this is the largest and most complete establishment of its character in the Northwest. The view immediately beneath this description is of the Greenhouse plant at the end of the Broadwater car line, nestling at the foot of the Mountains of the Great Continental Divide, at an elevation of 4400 feet above sea level. The expanse of glass is approximately 200,000 square feet, and is devoted to the production of plants and cut flowers. The entire grounds comprise some 500 acres.

The upper cut on the opposite page is one of the interior of our retail store on Fuller Ave. This is equipped with every convenience possible for the rapid and accurate filling of our retail orders—both seed and cut flowers, which are all attended to in this store. The general offices are also maintained in the rear of the store, on a large mezzanine floor, not shown in the picture.

The lower cut is a photograph of our warehouse, near the Great Northern Depot. This is fully equipped with every facility for the cleaning and re-cleaning of seeds and the shipment of all farm seeds in large quantities. The railroad tracks enable prompt shipment of any order, no matter how large.



VIEW OF GREENHOUSES AND NURSERY

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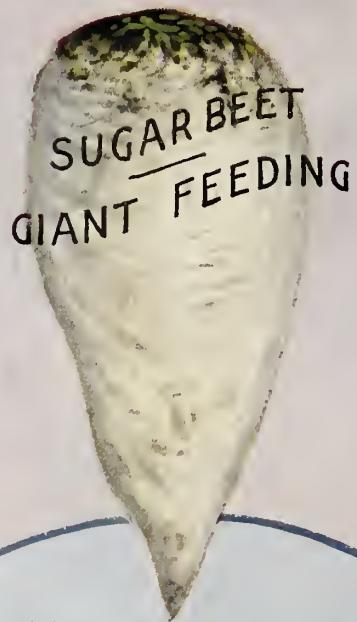
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